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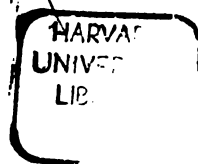
**BY
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TECHNICAL ARTICLES ON MINING**

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PREFACE

THE present volume, known as an Index of Mining Engineering Literature, will be found useful for all engineering professions, but especially to mining and metallurgical engineers and educators. It consists of a complete and carefully made index of eighteen engineering publications: journals, transactions and proceedings of societies, etc., which have in large part been cross-referenced, thus rendering valuable assistance to the reader in acquiring information not given in a general index, and which would not otherwise be accessible except through much tedious and painstaking research and extensive reading.

The work has grown out of the personal needs of the author in both educational and professional work. From a small number of selected references it has grown to such an extent, and has proven of such practical value that it was deemed advisable to publish it and thus place it within reach of members of the engineering professions. It represents the unaided labor of the author for a period of about five years, during which time he was actively engaged with other duties. Any errors that may occur are, therefore, due to his oversight and are not chargeable to others. The method of writing the references has changed from time to time as a result of experience in the work, and the use to which they have been put, which will explain why certain information is given in one instance and not in another. At the beginning of the work, the number of pages or columns, also the illustrations, were not considered of importance, and consequently were not given, and similarly with other minor points. Further, it will occasionally occur that the page as given will not be exact, which is due in large part to calculating backward, hastily, after ascertaining the number of pages or columns in the article, and in a similar manner the length may have been miscalculated by a page, column or a fraction of either. The author will consider it a favor if his attention is called to errors, in order that they may be corrected.

WALTER R. CRANE.

SCHOOL OF MINES AND METALLURGY,
THE PENNSYLVANIA STATE COLLEGE,
January 1, 1909.

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ABBREVIATIONS

Am. Jour. Min. — American Journal of Mining.
 Ann. Min. Rept. N. S. Wales. — Annual Mining Report New South Wales.
 Cal. Miners' Assoc. Annl. — California Miners' Association Annual.
 Coll. Engr. — Colliery Engineer.
 Coll. Engr. & Met. Miner. — Colliery Engineer and Metal Miner.
 Coll. Working and Management. — Colliery Working and Management.
 Coll. Guard. — Colliery Guardian.
 Columbia Eng. — Columbia Engineer.
 E. & M. J. — Engineering and Mining Journal.
 Eng. News. — Engineering News.
 Eng.-Cont. — Engineering-Contracting.
 Eng. Mag. — Engineering Magazine.
 Gold Min. & Mill. W. Aus. — Gold Mining & Milling in Western Australia.
 J. C. M. I. — Journal Canadian Mining Institute.
 J. C. M. Rev. — Journal Canadian Mining Review.
 J. C. & M. Soc. S. A. — Journal Chemical and Metallurgical Society of South Africa.
 J. W. Soc. E. — Journal Western Society of Engineers.
 J. M. Soc. N. S. — Journal Mining Society of Nova Scotia.
 Min. Mag. — Mining Magazine.
 M. & M. — Mines and Minerals.
 Min. & Sci. Press. — Mining and Scientific Press.
 Mech. Eng. Coll. — Mechanical Engineering of Collieries.
 P. C. M. & M. Soc. S. A. — Proceedings Chemical Mining and Metallurgical Society of South Africa.
 P. E. Soc. W. Pa. — Proceedings Engineering Society of Western Pennsylvania.
 P. C. M. — Practical Coal Mining.
 P. I. C. E. — Proceedings Institute of Civil Engineers.
 Rept. Inspr. Mines Pa. — Report Inspector of Mines of Pennsylvania.
 Rept. Zinc Comm. Canada. — Report Zinc Commission of Canada.
 R. R. Construction. — Railroad Construction.
 Sch. Mines Quart. — School of Mines Quarterly.
 Soc. P. E. E. — Society for the Promotion of Engineering Education.
 Sci. Am. Supp. — Scientific American Supplement.
 T. L. S. M. I. — Transactions Lake Superior Mining Institute.
 T. I. M. E. — Transactions Institute of Mining Engineers.
 T. A. I. M. E. — Transactions American Institute of Mining Engineers.
 T. F. I. M. E. — Transactions Federated Institute of Mining Engineers.
 T. I. M. & M. — Transactions Institution of Mining and Metallurgy.
 T. N. S. I. M. & M. E. — Transactions North Staffordshire Institute of Mining and Mechanical Engineers.
 T. F. C. M. I. — Transactions Federated Canadian Mining Institutes.
 T. A. S. M. E. — Transactions American Society Mechanical Engineers.

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- UMPIRE MINE DISASTER:** A description of the Work of Rescue. By W. Seddon. M. & M., vol. 19, p. 205. 4½ columns. I.
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P. C. M. & M. Soc. S. A., vol. 6, p. 226. 4 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 251. 3 columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 292. $31\frac{1}{2}$ columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 336. $5\frac{1}{2}$ columns.
P. C. M. & M. Soc. S. A., vol. 6, p. 369. 1 column.
- SAFEGUARDS IN BITUMINOUS COAL MINING.** By W. E. Fohl. P. E. Soc. W. Pa., vol. 20, p. 315. 31 pages.

- COAL-DUST IN MINES AND ITS RELATION TO EXPLOSIONS.** By C. Dunbar. T. F. I. M. E., vol. 6, p. 372. 4 pages.
- DESCRIPTION OF THE ARRANGEMENTS AT THE MAYBACH COLLIERY (Germany) FOR WATERING COAL-DUST.** By C. Hoermann. T. F. I. M. E., vol. 9, p. 90. 10 pages. I.
- A CONTRIBUTION TO OUR KNOWLEDGE OF COAL-DUST.** By P. P. Bedson. T. F. I. M. E., vol. 7, p. 32. 21 pages.
- AUTOMATIC SPRAYER FOR PREVENTING ACCUMULATIONS OF DUST IN MINES.** By R. Harle. T. I. M. E., vol. 18, p. 113. 7 pages. I.
- EXPLOSIONS OF FIRE-DAMP AND COAL-DUST IN THE WEST OF SCOTLAND.** By T. H. Mottram. T. I. M. E., vol. 18, p. 186. 8 pages.
- A CURIOUS EXPLOSION OF THE POCAHONTAS FIRE DAMP EXPLOSION.** E. & M. J., vol. 38, p. 253. $\frac{1}{2}$ column.
- E. & M. J., vol. 38, p. 281. 1 column.
- See **ELECTRICITY IN THE MINE.**
- MINES EXPLOSIONS, EXCESSIVE USE OF POWDER AND OTHER CAUSES: Energy Developed in the Combustion of Powder and Coal Dust.** By J. T. Beard. M. & M., vol. 25, pp. 599 and 560. $2\frac{1}{2}$ columns and $3\frac{1}{2}$ columns.
- THE VICTORIA MINE DISASTER.** E. & M. J., vol. 43, p. 343. $\frac{1}{2}$ column.
- THE NANTICOKE DISASTER (Explosion).** Coll. Engr., vol. 12, p. 111. 1 column.
- EXPLOSION IN A COAL BOX.** Coll. Engr., vol. 12, p. 212. 1 column.
- WET ROADS AS A CHECK TO COLLIERY EXPLOSIONS.** E. & M. J., vol. 81, p. 1001. $1\frac{1}{2}$ columns.
- GAS vs. DUST EXPLOSIONS.** E. & M. J., vol. 81, p. 1103. 2 columns.
- ON THE EXPLOSIVE PROPERTIES OF FIRE-DAMP AND COAL-DUST AS DEMONSTRATED IN RECENT EXPERIMENTS CONDUCTED BY PROFESSOR ABEL.** By G. Lawton. T. N. S. I. M. & M. E., vol. 6, p. 58. 10 pages.
- COAL-DUST IN FIERY SEAMS.** By R. Stevenson. T. N. S. I. M. & M. E., vol. 6, pp. 133 and 216. 3 pages, 5 pages.
- Mine Fires**
- MINE FIRE AT BUTTE.** M. & M., Apr., 1901, p. 423. 1 column.
- THE WARRIOR RUN MINE DISASTER.** By C. Euzian. M. & M., vol. 27, p. 439. $10\frac{1}{2}$ columns. I.
- THE BELMONT MINE ACCIDENT (A Fire.)** Min. & Sci. Press, vol. 56, p. 429. $\frac{1}{2}$ column.
- FIRE IN A COLLIERY AT PETRZKOWITZ, SILESIA.** T. I. M. E., vol. 31, p. 724. $1\frac{1}{2}$ pages.
- A GOB-FIRE IN A SHROPSHIRE MINE.** By St. V. C. Jones. T. I. M. E., vol. 33, p. 78. $10\frac{1}{2}$ pages.
- GOB-FIRES IN THE THICK COAL OF WARWICKSHIRE, ENGLAND.** T. A. I. M. E., vol. 33, p. 504. 3 pages.
- A GOB-FIRE IN THE TEN-FEET SEAM, NORTH STAFFORDSHIRE, ENGLAND.** By W. G. Peasegood. T. I. M. E., vol. 30, p. 46. 4 pages. I.
- THE OCCURRENCE OF UNDERGROUND FIRES AT THE GRETA COLLIERY, N. S. WALES.** By J. Jeffries. T. I. M. E., vol. 29, p. 518. 30 pages. I.
- AN OUTBREAK OF FIRE, AND ITS CAUSE AT LITTLEBURN COLLIERY.** By M. F. Holliday. T. I. M. E., vol. 29, p. 294. 4 pages.
- FIRE IN A LANARKSHIRE COLLIERY, AND DESCRIPTION OF A CONDENSER USED THEREAT.** By J. C. Weir. T. I. M. E., vol. 28, p. 19. 6 pages. I.
- FIRES IN MINES, WITH PARTICULAR REFERENCE TO SEAMS IN THE NORTH STAFFORDSHIRE COAL FIELD.** By G. E. Lawton. T. I. M. E., vol. 27, p. 109. 17 pages. I.
- THE PROBLEM OF GOB-FIRES.** By G. Farmer. T. I. M. E., vol. 28, p. 434. 30 pages.

- MINE FIRES. T. I. M. E., vol. 26, p. 651. 6 pages.
- THE WARRIOR RUN COLLIERY FIRE. By M. S. Hachita. E. & M. J., vol. 82, p. 450. $\frac{1}{2}$ column.
- MINE FIRES AT BROKEN HILL. E. & M. J., vol. 82, p. 289. $\frac{1}{2}$ column.
- COAL MINE FIRES. By R. V. Norris. E. & M. J., vol. 83, p. 286 and p. 334. 7 columns, $5\frac{1}{2}$ columns. I.
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- Rept. Insp. Mines, Pa., 1880, p. 28. 15 pages. I.
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- SETTING FIRE TO A COAL MINE BY DRAWING PILLARS, SO LETTING FIRE DROP INTO MINE. Rept. Insp. Mines, Pa., 1878, p. 260. Note.
- THE BUTLER MINE FIRE. Rept. Insp. Mines, Pa., 1880, p. 167. 1 page.
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- THE KEHLEY'S RUN COLLIERY FIRE. Rept. Insp. Mines, Pa., 1881, p. 70. 10 pages. I.
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- THE BROKEN HILL FIRE. E. & M. J., vol. 81, p. 618. $\frac{1}{2}$ column.
- CAUSE OF FIRE IN COAL MINES. M. & M., vol. 26, p. 309. $\frac{1}{2}$ column.
- THE UNITED MINE ON FIRE. Coll. Engr., vol. 11, p. 136 and p. 219. $\frac{1}{2}$ column, $\frac{1}{2}$ column.
- THE HILL-FARM-PARRISH MINE FIRE. Coll. Engr., vol. 13, p. 105. $6\frac{1}{2}$ columns. I.
- A MINE FIRE CONQUERED. Coll. Engr., vol. 13, p. 110. $\frac{1}{2}$ column.
- UNDERGROUND FIRE IN THE WYNN-STAY COLLIERY. E. & M. J., vol. 19, p. 454. 2 columns.
- FIRES IN THE MINES NEAR WILKES-BARRE. E. & M. J., vol. 17, p. 85. 1 column.
- THE STORY OF A BURNED-OUT COAL MINE. E. & M. J., vol. 66, p. 454. $\frac{1}{2}$ column.
- FIRES IN COAL MINES AND THEIR EXTINCTION. E. & M. J., vol. 21, p. 491. $1\frac{1}{2}$ columns.
- UNDERGROUND FIRE ATTRIBUTED TO ELECTRIC CONDUCTORS. E. & M. J., vol. 64, p. 280. $\frac{1}{2}$ column.
- Coll. Guard., Aug. 13, 1897.
- THE SMUGGLER UNION MINE FIRE: The Inspector's Account of the Disaster and the Causes which Resulted in Such Large Fatalities. M. & M., Jan., 1902, p. 271. $2\frac{1}{2}$ columns. I.
- E. & M. J., vol. 65, p. 75. 1 column.
- MINE FIRES IN OHIO. E. & M. J., vol. 80, p. 16. $1\frac{1}{2}$ columns.
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- THE UNDERGROUND FIRE AT THE LAKE SUPERIOR MINE, ISHPeming, MICH. By J. P. Channing. E. & M. J., vol. 53, p. 106. 1½ columns.
- A PERSISTENT MINE FIRE. E. & M. J., vol. 79, p. 655. ¾ column.
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- NOTE ON A SHAFT-FIRE AND ITS LESSON. By R. G. Brown. T. A. I. M. E., vol. 26, p. 315.
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- THE HILL-FARM-PARRISH MINE-FIRE. By F. A. Hill. T. A. I. M. E., vol. 21, p. 632.
- FIRES IN MINES, WITH PARTICULAR REFERENCE TO SEAMS IN THE NORTH STAFFORDSHIRE COAL-FIELD. By G. E. Lawton. T. N. S. I. M. & M. E., March, 1904. 2 columns.
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- A SCOTCH COAL-FIELD ABLAZE. Coll. Engr., vol. 10, p. 104. 1½ columns.
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- THE SOUTH AFRICAN MINE DISASTER. Coll. Engr. & Met. Miner, vol. 9, p. 29. 1½ columns.
- THE SOUTH WILKES-BARRE DISASTER. Coll. Engr. & Met. Miner, vol. 10, p. 198. 3½ columns. I.
- THE DE BEERS DIAMOND MINE DISASTER. E. & M. J., vol. 46, p. 63. 1 column. I.
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- THE MINE FIRES AT NEW STRAITSVILLE, OHIO. E. & M. J., vol. 62, p. 582. ¼ column.
- THE BURNING OF THE THROOP BREAKER. M. & M., May, 1904, p. 499. 2½ columns.
- DISASTROUS FIRE IN COAL MINE No. 1, AT DIAMONDVILLE, WYOMING. By Don Maguire. M. & M., Apr., 1901, p. 388. 1 column.
- AN UNDERGROUND FIRE AT BRIDGE-WATER COLLIERY. By A. D. Mitton. T. F. I. M. E., vol. 13, p. 466. 11 pages. I.
- THE BURNING MINES OF SUMMIT HILL. By W. C. Morganroth. M. & M., vol. 19, p. 441. 4½ columns. I.
- GOB-FIRES. M. & M., vol. 19, p. 63. ¾ column.
- THE ASPEN MINE-FIRE. By A. Lakes. M. & M., vol. 18, p. 251. 6½ columns. I.
- THE LUKE FIDDLER MINE FIRE. By B. Halbestadt. Coll. Engr. & Met. Miner, vol. 16, p. 6. 4 columns. I.
- LIST OF PAPERS AND BOOKS ON THE SUBJECT OF UNDERGROUND FIRES. T. I. M. E., vol. 25, p. 746.
- A REVIEW OF THE REPORT OF THE COMMISSION ON FIRES IN PICTOU MINES. By H. S. Poole. T. F. C. M. I., vol. 2, p. 155. 11 pages.
- GOB-FIRES IN LONGWALL WORKINGS, WITH SPECIAL REFERENCE TO THE YARD SEAM. By A. Hassam. T. F. I. M. E., vol. 8, p. 332. 10 pages. I.
- NOTES ON GOB-FIRES. By W. H. Chambers. T. I. M. E., vol. 18, p. 154. 12 pages. I.
- DANGER OF WOODEN STRUCTURES OVER THE MOUTHS OF SHAFTS AND SLOPES. Rept. Inspr. Mines, Pa., 1881, p. 8. 2 pages.
- THE DESTRUCTION OF THE BUNKER HILL AND SULLIVAN MILL. E. & M. J., vol. 67, p. 647. 1 column. I.
- USE OF SULPHUR DIOXIDE TO EXTINGUISH MINE FIRES. By W. O. Snelling. M. & M., vol. 28, p. 456. 1 column.

- GASES FROM CHEMICAL MINE ENGINES.** M. & M., vol. 28, p. 461. $\frac{3}{4}$ column.
- CHEMICAL MINE FIRE-ENGINES.** M. & M., vol. 27, p. 469. $1\frac{1}{4}$ columns. I.
- THE USE OF CARBON DIOXIDE IN EXTINGUISHING MINE FIRES.** By S. F. Walker. M. & M., vol. 28, p. 505. 4 columns.
- A SUCCESSFUL FIGHT WITH A MINE FIRE.** By F. L. Barker. M. & M., vol. 28, p. 227. $1\frac{1}{4}$ columns.
- A NEW SYSTEM OF COMBATTING FIRES IN MINES.** By St. Wysocki. T. I. M. E., vol. 27, p. 732. $1\frac{1}{4}$ pages.
- CHEMICAL ENGINES FOR MINE FIRES.** E. & M. J., vol. 83, p. 1153. $\frac{3}{4}$ column. I.
- FIGHTING MINE FIRES WITH CARBON DIOXIDE.** M. & M., vol. 28, p. 288. $1\frac{1}{4}$ columns. I.
- EXTINGUISHING A MINE FIRE, ST. GEORGE'S COLLIERY, NATAL.** By W. T. Heslop. M. & M., vol. 27, p. 152. $2\frac{1}{4}$ columns. I.
- PIT FIRES: A Consideration of Careful, Special Packing as a Preventive.** By Sam. Maurice. T. N. S. I. M. & M. E., vol. 8, p. 38. $11\frac{1}{4}$ pages. I.
- REMARKS ON THE ERECTION OF STOPPING WITH A VIEW TO ISOLATE PART OF A MINE ON FIRE.** T. N. S. I. M. & M. E., vol. 8, p. 100. $17\frac{1}{4}$ pages. I.
- Discussion, T. N. S. I. M. & M. E., vol. 8, p. 134. 4 pages.
- GOB FIRES AND PIT STOPPINGS.** By R. Oswald. T. N. S. I. M. & M. E., vol. 8, p. 198. 2 pages. I.
- DISCUSSION OF OSWALD'S PAPER ON GOB FIRES AND PIT STOPPINGS.** T. N. S. I. M. & M. E., vol. 9, p. 64. 8 pages. I.
- CAMPBELL'S METHOD OF EXTINGUISHING A COAL MINE FIRE.** Rept. Inspr. Mines, Pa., 1890, p. 35. 2 pages. I.
- STEAM AND GAS AS FIRE EXTINGUISHERS.** Rept. Inspr. Mines, Pa., 1890, p. 38. $2\frac{1}{4}$ pages.
- EXTINGUISHING A FIRE IN A PYRITOUS MINE.** Min. & Sci. Press, vol. 91, p. 258. $1\frac{1}{4}$ columns.
- A REGION OF SUBTERRANEAN FIRES.** Extinguishing by Carbon monoxide Gas. Min. & Sci. Press, vol. 54, p. 282. $2\frac{1}{4}$ columns.
- CONTROLLING AND EXTINGUISHING FIRES IN PYRITOUS MINES.** By L. T. Wright. E. & M. J., vol. 81, p. 171. 6 columns. I.
- CARBONIC ACID FOR EXTINGUISHING FIRES.** Min. & Sci. Press, vol. 31, p. 242. $\frac{3}{4}$ column.
- STOPPING OFF MINE FIRES.** M. & M., vol. 20, p. 330. $\frac{3}{4}$ column. I.
- FIRES IN MINES AND THE MEANS OF EXTINGUISHING THEM.** By R. P. Rothwell. E. & M. J., vol. 8, p. 51. $1\frac{1}{4}$ columns; p. 162, $1\frac{1}{4}$ columns; and p. 241, $4\frac{1}{4}$ columns. I.
- LIQUID CARBONIC ACID AS AN AGENT FOR EXTINGUISHING FIRES.** By F. M. Barber. E. & M. J., vol. 20, p. 3, $\frac{1}{2}$ column; and p. 305, 1 column.
- MINE FIRES NEAR WILKES-BARRE:** Use of Steam in Extinguishing Them. E. & M. J., vol. 18, p. 213, Note; and p. 244, $\frac{1}{2}$ column.
- THE BUTLER MINE-FIRE CUT-OFF.** By H. S. Drinker. T. A. I. M. E., vol. 7, p. 159.
- THE APPLICATION OF LIQUEFIED CARBONIC ACID GAS TO UNDERGROUND FIRES.** By G. Spencer. E. & M. J., vol. 68, p. 155. 1 column.
- FIGHTING A FIRE IN AN ANTHRACITE COAL MINE.** E. & M. J., vol. 69, p. 496. $\frac{1}{2}$ column.
- FIRE-DRILLS AT MINES.** M. & M., Dec., 1904, p. 212.
- NOTE ON A FIRE-BULKHEAD.** By O. M. Rolker. T. A. I. M. E., vol. 13, p. 505.
- THE APPLICATION OF LIQUEFIED CARBONIC ACID GAS TO UNDERGROUND FIRES.** By G. Spencer. T. I. M. E., vol. 17, p. 181. 16 pages.

- A NEW APPARATUS FOR RESCUE-WORK IN MINES.** By W. E. Garforth. T. I. M. E., vol. 31, p. 625. 34 pages. I.
- DEMONSTRATION OF RESCUE-APPARATUS,** Felling, Aug. 31, 1907. T. I. M. E., vol. 35, p. 210. 20 pages. I.
- EXPERIMENTAL GALLERY FOR TESTING LIFE-SAVING APPARATUS.** By W. E. Garforth. T. I. M. E., vol. 27, p. 169. 11½ pages. I.
- RESCUE APPARATUS FOR MINE FIRES.** By J. Wroe. M. & M., vol. 28, p. 557. 2½ columns. I.
- SAVING LIFE AFTER COLLIERY EXPLOSIONS.** Am. Jour. Min., vol. 4, p. 183. ½ column.
- LIFE BRIGADES FOR MINING DISTRICTS.** Min. & Sci. Press, vol. 47, p. 152. ½ column.
- DIVING ARMOR FOR MINERS.** Min. & Sci. Press, vol. 26, p. 246. ½ column.
- THE USE OF DIVERS IN MINING.** By Koppers. M. & M., vol. 26, p. 424. 1 column.
- Compensation for Injuries**
- COLLIERY ACCIDENT RELIEF FUND.** Min. & Sci. Press, vol. 47, p. 38. 1½ columns.
- MINER'S BENEFICIAL FUND.** E. & M. J., vol. 23, p. 235. ½ column.
- MINER'S ACCIDENT FUNDS IN AUSTRALIA.** E. & M. J., vol. 78, p. 349. 1½ columns.
- THE BENEFICIAL FUND OF THE LEHIGH COAL AND NAVIGATION COMPANY.** By J. S. Harris. T. A. I. M. E., vol. 12, p. 587.
- Health of Miners**
- COMPRESSED-AIR ILLNESS.** T. I. M. E., vol. 30, p. 220. 8 pages.
- EFFECT OF BAD AIR ON MINERS.** T. A. I. M. E., vol. 8, p. 111.
- RECENT RESEARCHES ON ANKYLOSTOMIASIS.** By E. Smith. British Medical Assoc., July, 1904. Min. Mag., Dec. 1904, p. 399. ½ column.
- THE EFFECT OF THE WATERING OF COAL MINES ON THE SPREAD OF ANKYLOSTOMIASIS.** By J. Wroe. T. I. M. E., vol. 29, p. 210. 4 pages.
- MINER'S PHTHISIS.** By T. L. Carter. E. & M. J., vol. 75, p. 474. 4 columns. I.
E. & M. J., vol. 75, p. 633. W. Cullen. 4 columns.
- A NEW CHANGING-HOUSE AT THE W. VULCAN MINE.** By W. Kelley. L. S. M. I., vol. 8, p. 70. 6 pages. I.
- MINE HOSPITALS: Hospital Car, and Emergency Equipment of the D. L. & W. R. R. Co. at Mines.** First Aid Instruction for the Men. M. & M., vol. 26, p. 158. 6½ columns. I.
- THE EYESIGHT OF COAL MINERS.** E. & M. J., vol. 51, p. 723. ½ column.
- HEALTH IN MINING CAMPS.** E. & M. J., vol. 80, p. 68. 1½ columns.
- HEALTH IN MINING CAMPS.** E. & M. J., vol. 79, p. 1133. 3½ columns.
- SANITARY IMPROVEMENTS IN THE QUICKSILVER MINES OF IDRIA, SPAIN.** E. & M. J., vol. 46, p. 435. 1 column.
- MINER'S CHANGING AND WASH HOUSES IN GERMANY.** E. & M. J., vol. 59, p. 586. Note.
- NYSTAGMUS, THE EYE DISEASE OF COAL-MINERS.** E. & M. J., vol. 60, p. 565. Note.
- MINER'S PHTHISIS.** M. & M., Aug., 1904, p. 21.
E. & M. J., vol. 77, p. 915. ½ column.
- PREVENTION OF MINER'S PHTHISIS.** E. & M. J., vol. 78, p. 81. 1½ columns.

- MINING CAMPS IN ARID REGIONS:** Things that are Absolutely Necessary if they are to be Prosperous. By A. Lakes. M. & M., July, 1903, p. 563.
- SANITARY PRECAUTIONS IN THE CONSTRUCTION OF MINERS' HOUSES.** By H. Douglas. E. & M. J., vol. 48, p. 162. 1 column.
- HYGIENE OF MINES IN PENNSYLVANIA COLLIERIES.** Second Geol. Survey Pa. A. C., p. 423. 20 pages.
- A NEW CHANGING HOUSE AT THE CLIFFS SHAFT MINE.** By J. S. Mennie. T. L. S. M. I., vol. 9, p. 121. 6 pages. I.
- CAISSON DISEASE.** Min. & Sci. Press, vol. 35, p. 135. $\frac{1}{2}$ column.
- COAL MINING AND THE HEALTH OF MINERS.** E. & M. J., vol. 58, p. 513. 1 column.
- TUNNEL TRICHINOSIS:** St. Gothard Tunnel. Min. & Sci. Press, vol. 40, p. 375. $\frac{1}{2}$ column.
- WORKING IN FOUL AIR UNDERGROUND:** A Respirator. Min. & Sci. Press, vol. 46, p. 344. $1\frac{1}{2}$ columns.
- Min. & Sci. Press, vol. 47, p. 9. 1 column.
- DISEASES OF MINERS.** Min. & Sci. Press, vol. 42, p. 230. $\frac{1}{2}$ column.
- A MINER'S CLUB-HOUSE.** Min. & Sci. Press, vol. 57, p. 205. 1 column. I.
- DEATH RATE OF LARGE CITIES.** Min. & Sci. Press, vol. 67, p. 410. Table.
- MINER'S CONSUMPTION.** Min. & Sci. Press, vol. 66, p. 106. $\frac{1}{2}$ column.
- HOMES OF FACTORY OPERATIVES.** Min. & Sci. Press, vol. 55, p. 241. $2\frac{1}{2}$ columns. I.
- WORKINGMEN'S HOUSES.** Min. & Sci. Press, vol. 55, p. 401. $\frac{1}{2}$ column. I.
- WORKINGMEN'S HOUSES IN MULHOUSE.** Min. & Sci. Press, vol. 56, p. 17. $\frac{1}{2}$ column.
- WORKINGMEN'S HOMES.** Min. & Sci. Press, vol. 56, p. 85. $\frac{1}{2}$ column. I.
- OIL AND DUST FROM ROCK DRILL USE IN MINES.** (Hurtful to Miners.) Min. & Sci. Press, vol. 86, p. 303. $1\frac{1}{2}$ columns.
- THE IMPORTANCE OF THE ORDINARY SANITARY PRECAUTIONS IN THE PREVENTION OF WATER-BORNE DISEASE IN MINES.** By B. W. Jones. T. L. S. M. I., vol. 12, p. 105. 12 pages.
- MEDICAL DEPARTMENT OF THE COLORADO FUEL AND IRON COMPANY.** By L. Lewis. E. & M. J., vol. 83, p. 1177. $7\frac{1}{2}$ columns. I.
- ANKYLOSTOMIASIS.** Min. & Sci. Press, vol. 84, p. 48. $\frac{1}{2}$ column.
- WORKING UNDER HIGH AIR PRESSURES.** By M. Vinge. E. & M. J., vol. 82, p. 293. 1 column.
- NEGRO MORTALITY IN THE TRANSVAAL.** By T. L. Carter. E. & M. J., vol. 83, p. 83. $\frac{3}{4}$ column.
- ANKYLOSTOMIASIS: The Worm-Disease in Mines.** By F. W. Gray. T. I. M. E., vol. 26, p. 183. 27 pages.
- COLOGNE CONFERENCE ON ANKYLOSTOMIASIS.** T. I. M. E., vol. 31, p. 743. $1\frac{1}{2}$ pages.
- MINER'S PHTHISIS: Some Notes and Suggestions.** By Wm. Cullen. P. C. & M. Soc. S. A., vol. 3, p. 217. 55 pages.
- THE MINER'S WORM-DISEASE AS SEEN IN WESTPHALIAN AND HUNGARIAN COLLIERIES.** By T. Oliver. T. I. M. E., vol. 28, p. 196. 28 pages.
- HEALTH IN THE SULPHUR MINES OF SICILY.** By G. Giardina. T. I. M. E., vol. 28, p. 720. 3 pages.
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- AN INQUIRY INTO THE CAUSE OF THE TWO SEAHAM EXPLOSIONS, 1871 AND 1880, AND THE POCHIN EXPLOSION, 1884.** By T. H. M. Stratton. T. F. I. M. E., vol. 3, p. 385. 25 pages. I.
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Poisoning and Injuries

- AN EXPERIMENT IN CYANIDE POISONING.** By A. M. Johnston. P. C. & M. Soc. S. A., vol. 2, p. 676. 7½ pages.
- GASEOUS POISONING.** P. C. M. & M. Soc. S. A., vol. 5, p. 192. 4 columns.
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- NINE MEN KILLED BY CARBON MONOXIDE.** M. & M., vol. 28, p. 21. 1 column.
- ANTIDOTE FOR ASPHYXIATION BY MINE GAS.** E. & M. J., vol. 84, p. 1076. Note.
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- EXPLOSION OF FIRE-DAMP BY LIGHTNING—THE WIRE ROPE BEING THE CONDUCTOR.** E. & M. J., vol. 56, p. 617. $\frac{1}{2}$ column.
- LIGHTNING SHOCKS IN A MINE TUNNEL.** E. & M. J., vol. 84, p. 171. $\frac{1}{2}$ column.

- A FLASH OF LIGHTNING AT THE LAM-
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- BLASTING.** By A. Kirk. P. E. Soc. W. Pa., vol. 1, p. 164. 12 pages. I.
- DRILLING AND BLASTING AT THE PIONEER MINE, ELY, MINN.** J. C. M. I., vol. 7, p. 362. 2 pages. I.
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- TEMPERATURES REQUIRED FOR FIRING VARIOUS EXPLOSIVES.** T. N. S. I. M. & M. E., vol. 3, p. 79. Table.
- SOME RECENT EXPERIMENTS IN BLASTING WITH COMPRESSED CARTRIDGES.** By W. Blakemore. J. C. M. I., vol. 1, p. 3. 7 pages. I.
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- THE APPEARANCE OF A SHOT-HOLE FROM WHICH THE CHARGE HAS BLOWN OUT.** By A. R. Sawyer. T. N. S. I. M. & M. E., vol. 8, p. 209. 12 pages. I.
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- THE SETTLE WATER CARTRIDGE FOR FIERY COAL MINES. E. & M. J., vol. 41, p. 154. Note.

Use of Compressed Air in Blasting

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- LIQUID AIR AS AN EXPLOSIVE. E. & M. J., vol. 69, p. 170; vol. 68, p. 514; and vol. 65, p. 548.
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Arrangement of Holes in Blasting

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- ARRANGEMENT OF HOLES IN SINKING ROUND SHAFTS OR PITS. T. F. I. M. E., vol. 8, plate 1. I.

Tamping and Tamping Materials

- TAMPING AND TAMPING MATERIAL. E. & M. J., vol. 83, p. 1107. Notes.
- THE TAMPING OF SHOTS IN MINES. T. I. M. E., vol. 26, p. 626. 1 page.
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- WOOD PULP AS TAMPING: Used in Coal Mines, with Dynamite, in Utah. Min. & Sci. Press, vol. 90, p. 314. Note.
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- A NEW METHOD OF TAMPING AND RAMMING BORE-HOLES. By H. Johnson. T. F. I. M. E., vol. 6, p. 550. 4 pages. I.

- TAMPING DRILL-HOLES WITH PLASTER OF PARIS. By F. Firmstone. T. A. I. M. E., vol. 12, p. 574.

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Quantity of Explosive that should be Used

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Submarine Blasting

THE REMOVAL OF BLOSSOM ROCK IN SAN FRANCISCO HARBOR. E. & M. J., vol. 9, p. 273. $1\frac{1}{2}$ columns.

- THE HELL GATE IMPROVEMENTS. E. & M. J., vol. 40, p. 288, 6½ columns, I.; and p. 384, 3 columns.
- HEAVY SUBMARINE BLASTS (Henderson's Point). E. & M. J., vol. 80, p. 251. 1½ columns. I.
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- THE THEORY OF SOLUTIONS. By A. Von Oettingen. P. C. & M. Soc. S. A., vol. 2, p. 543. 10½ pages.
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- THE CHEMISTRY OF THE MINE. By A. Hill. T. N. S. I. M. & M. E., vol. 1, p. 7, 16 pages; p. 24, 16 pages; p. 57, 20 pages.
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- INORGANIC STANDARDS FOR THE CALORIMETRIC CARBON TEST. By T. W. Robinson. T. A. I. M. E., vol. 16, p. 111.
- A SWITCHBOARD ATTACHMENT FOR ELECTROLYSIS. By E. L. Larrison. E. & M. J., vol. 82, p. 932. 3 columns. I.
- INDEPENDENT STIRRER FOR ELECTROLYSIS. By E. L. Larrison. E. & M. J., vol. 82, p. 1168. 5½ columns. I.
- THE PRECIPITATION OF METALS FROM HYPOSULPHITE SOLUTIONS. By C. A. Stetefeldt. T. A. I. M. E., vol. 20, p. 15.
- NOTE ON THE USE OF A MECHANICAL STIRRER FOR PROMOTING CHEMICAL ACTION. By E. K. Landis. T. A. I. M. E., vol. 21, p. 304.

- GRADING ANALYSES.** By H. S. Denny. E. & M. J., Mar. 9, 1905, p. 469. 4 columns.
- IMPROVED METHODS OF ANALYSIS.** By T. Ulke. E. & M. J., vol. 65, p. 430, $1\frac{1}{2}$ columns; and p. 518, $\frac{2}{3}$ column.
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- SOME CAUSES OF ERROR IN BLANK ANALYSES.** By J. B. Mackintosh. Sch. Mines Quart., vol. 9, p. 81. 2 pages.
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- METHODS USED IN THE LABORATORY OF THE DUQUESNE STEEL WORKS.** By J. M. Camp. P. E. Soc. W. Pa., vol. 11, p. 251. $15\frac{1}{2}$ pages. I.
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- A COURSE IN INDUSTRIAL CHEMISTRY FOR TECHNICAL SCHOOLS.** By F. L. Dunlap. Soc. P. E. E., vol. 6, p. 216.
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- A RAPID METHOD FOR THE REDUCTION OF FERRIC SULPHATE IN VOLUMETRIC ANALYSIS.** T. A. I. M. E., vol. 17, p. 757 and p. 411.
- ON PULVERIZED ZINC AND ITS USES IN ANALYTICAL CHEMISTRY.** By T. M. Drown. T. A. I. M. E., vol. 6, p. 508.
- ANALYSES OF ROCKS.** By T. Egleston. T. A. I. M. E., vol. 3, p. 94.
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Determination of Bismuth, Molybdenum, Mercury, Tellurium, Wolfram, etc.

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Lime and Cement Analysis

REVIEW OF THE CHEMISTRY OF PORTLAND CEMENT. By F. H. Mason. Min. & Sci. Press, vol. 94, p. 724. 3½ columns.

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PRACTICAL HINTS ON LIMESTONE ANALYSIS. By K. J. Sundstrom. E. & M. J., vol. 64, p. 126. ½ column.

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Acid Manufacture

THE MANUFACTURE OF PURE NITRIC ACID. E. & M. J., vol. 55, p. 83. 1 column. I.

NEW SPECIFIC GRAVITY TABLES FOR HYDROCHLORIC AND NITRIC ACID. By G. Lunge. E. & M. J., vol. 51, p. 558. 4 columns. I.

THE COMPARATIVE VALUE OF BRIMSTONE AND PYRITES IN THE MANUFACTURE OF SULPHURIC ACID. By J. H. Kelley. E. & M. J., vol. 54, p. 76, 1½ columns; vol. 55, p. 297.

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SULPHURIC ACID MANUFACTURE. By F. Luey. E. & M. J., vol. 80, p. 634. 7 columns. I.

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ESTIMATION OF PHOSPHORIC ACID IN FERTILIZERS. By A. G. Woodman. E. & M. J., vol. 74, p. 781. ¼ column.

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ON THE MANUFACTURE OF SULPHURIC ACID AT SIDNEY, CAPE BRETON. By C. A. Meissner. J. C. M. I., vol. 6, p. 390. 18 pages. I.

LYTE AND LUNGE'S NITRIC ACID PROCESS. By G. L. F. Vogel. E. & M. J., vol. 69, p. 408. 4 columns. I.

TWENTY YEARS' PROGRESS IN THE CONCENTRATION OF SULPHURIC ACID.

By W. H. Adams. T. A. I. M. E., vol. 16, p. 496.

SULPHURIC ACID IN RUSSIA. E. & M. J., Mar. 16, 1905, p. 512. $\frac{3}{4}$ column.**ACID MAKING FROM PYRRHOTITE.** By E. A. Sjöstedt. J. C. M. I., vol. 7, p. 480. 14 $\frac{1}{2}$ pages. I.**MANUFACTURE OF SULPHURIC ACID IN FLORIDA.** E. & M. J., vol. 82, p. 529. 1 $\frac{1}{2}$ columns.**MOND'S NEW PROCESS OF OBTAINING CHLORINE.** E. & M. J., vol. 59, p. 31. 2 $\frac{1}{2}$ columns. I.**ROESSLER'S METHOD OF MANUFACTURING SULPHURIC ACID AND SULPHATE OF COPPER.** By A. F. Wendt. T. A. I. M. E., vol. 12, p. 274.**THE MANUFACTURE OF LIQUID SULPHUROUS ACID IN UPPER SILESIA.** By K. Eilers. T. A. I. M. E., vol. 20, p. 336.**Determination of Antimony****DETERMINATION OF ARSENIC, ANTIMONY, COPPER, BISMUTH, IRON, ZINC AND SULPHUR IN LEAD BASE BULLION.** P. E. Soc. W. Pa., vol. 10, p. 160. 4 $\frac{1}{2}$ pages.**VOLUMETRIC ESTIMATION OF ANTIMONY.** E. & M. J., vol. 83, p. 896. 1 column.**VOLUMETRIC ESTIMATION OF ANTIMONY.** By J. Darroch. Min. & Sci. Press, vol. 94, p. 94. 2 columns.**THE VOLUMETRIC ESTIMATION OF ANTIMONY.** By James Darroch. Min. & Sci. Press, vol. 92, p. 419. 1 $\frac{1}{2}$ columns.**VOLUMETRIC DETERMINATION OF ANTIMONY.** Min. & Sci. Press, vol. 84, p. 189. $\frac{1}{4}$ column.**THE DETERMINATION OF ARSENIC AND ANTIMONY.** By L. B. Skinner. E. & M. J., vol. 74, p. 148. 2 $\frac{1}{2}$ columns.**Methods of Determining Sulphur****ANALYSIS OF CRUDE SULPHUR.** E. & M. J., vol. 75, p. 854. Note.**THE VOLUMETRIC DETERMINATION OF SULPHUR AND AMMONIA IN ILLUMINATING GAS.** By H. E. Saddler and B. Silliman. T. A. I. M. E., vol. 5, p. 387.**DETERMINATION OF SULPHUR IN ROASTED ZINC BLENDE.** By V. Hassreidter. E. & M. J., vol. 83, p. 905. 2 columns.**DETERMINATION OF SULPHUR IN ROASTED ZINC BLENDE.** By J. G. Heid. E. & M. J., vol. 62, p. 178. $\frac{1}{2}$ column.**THE ESTIMATION OF SULPHUR IN REFINED COPPER.** By G. L. Heath. E. & M. J., vol. 61, p. 205. 1 $\frac{1}{2}$ columns.**ESTIMATION OF SULPHUR IN COAL.** Min. & Sci. Press, vol. 49, p. 177. $\frac{1}{2}$ column.**COAL TESTING: Methods of Determining Sulphur and Ash in Coal and Coke.** By M. Brown. M. & M., vol. 26, p. 326, 3 $\frac{1}{2}$ columns; p. 470, 2 $\frac{1}{2}$ columns.**ESCHKA'S METHOD OF DETERMINING SULPHUR IN COAL.** By F. Hundeshagen. E. & M. J., vol. 54, p. 320. $\frac{1}{2}$ column.**DETERMINATION OF SULPHUR IN COAL AND COKE.** E. & M. J., vol. 77, p. 202. $\frac{1}{2}$ column.**THE DETERMINATION OF SULPHUR IN COAL.** By C. W. Stoddart. E. & M. J., vol. 75, p. 968. 3 columns.**DETERMINATION OF SULPHUR IN COKE AND COAL.** By R. Helmhacker. E. & M. J., vol. 62, p. 106. $\frac{1}{2}$ column.**ESTIMATING SULPHUR IN COAL.** E. & M. J., vol. 66, p. 307. 1 column.**THE DETERMINATION OF SULPHUR IN SULPHIDES AND IN COAL AND COKE.** By T. M. Drown. T. A. I. M. E., vol. 8, p. 569.**RELATIONS OF SULPHUR IN COAL AND COKE.** By J. P. Kimball. T. A. I. M. E., vol. 8, p. 181.

- AN ACCURATE ESTIMATION OF SULPHUR IN IRON BY THE EVOLUTION METHOD.** By H. E. Walters and Robt. Miller. P. E. Soc. W. Pa., vol. 18, p. 83. 4½ pages.
- THE DETERMINATION OF SULPHUR IN IRON BY THE EVOLUTION METHOD.** P. E. Soc. W. Pa., vol. 21, p. 417. 2½ pages.
- SULPHUR IN PIG-IRON.** P. E. Soc. W. Pa., vol. 9, p. 45. 8 pages.
- THE ESTIMATION OF SULPHUR IN PYRITES.** E. & M. J., vol. 58, p. 514. ½ column.
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- A JEWELER'S TEST FOR GOLD.** Min. & Sci. Press, vol. 36, p. 167. ½ column.
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THE ESTIMATION OF TITANIUM AND PHOSPHORUS IN IRON ORES. By E. P. Jennings. E. & M. J., vol. 45, p. 475. $\frac{1}{2}$ column.

THE ANALYSIS OF IRON ORES CONTAINING BOTH PHOSPHORIC AND TITANIC ACIDS. By T. M. Drown and P. W. Shimer. E. & M. J., vol. 32, p. 353. $2\frac{1}{2}$ columns.

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NOTE ON THE DETERMINATION OF PHOSPHORUS IN IRON. By F. E. Bachman and F. Julian. T. A. I. M. E., vol. 10, p. 322; vol. 12, p. 518.

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Methods of Determining Lead

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DETERMINATION OF LEAD IN GALENA. Min. & Sci. Press, vol. 82, p. 132. Note.

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ZINC ORE ANALYSIS. E. & M. J., vol. 84, p. 297. 1 column.

THE SEPARATION OF IRON FROM ZINC BY AMMONIA. By K. Pietrusky. Min. & Sci. Press, vol. 92, p. 74. 2 columns.

TECHNICAL ESTIMATION OF ZINC. By C. E. Rueger. M. & M., vol. 27, p. 157. $2\frac{1}{2}$ columns.

A NEW METHOD OF DETERMINING ZINC. By A. C. Langmuir. Min. & Sci. Press, vol. 78, p. 345. $1\frac{1}{2}$ columns.

MANUFACTURE OF ZINC PIGMENTS. By E. W. Buskett. M. & M., vol. 28, p. 193. $2\frac{1}{2}$ columns. I.

DETERMINATION OF ZINC IN ORES. E. & M. J., vol. 54, p. 178. 1 column.

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- VOLUMETRIC DETERMINATION OF ZINC.** E. & M. J., vol. 78, p. 135. 2 columns.
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- THE COLORIMETRIC ESTIMATION OF GOLD IN CYANIDE SOLUTIONS.** By H. R. Cassel. E. & M. J., vol. 76, p. 661. 2 columns.
- DETERMINATION OF GOLD AND SILVER IN CYANIDE SOLUTIONS.** E. & M. J., vol. 76, p. 844. ¼ column.
- ELECTROLYTIC ANALYSIS OF GOLD.** E. & M. J., vol. 77, p. 553. ¼ column.
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- ESTIMATION OF CYANOGEN IN IMPURE SOLUTIONS.** By J. E. Clennell. E. & M. J., vol. 59, p. 584, 3½ columns, I.; vol. 76, p. 13, 2½ columns; vol. 75, p. 968, 2 columns.
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- ESTIMATION OF CYANIDE.** By A. Adair. E. & M. J., vol. 75, p. 563. 1 column.
- CONTRIBUTIONS TO THE CHEMISTRY OF THE CYANIDE PROCESS.** By E. A. Schneider. E. & M. J., vol. 60, p. 489, 1½ columns; and p. 514, 1½ columns.
- THE CHEMISTRY OF THE CYANIDE PROCESS: Is Zinc Potassium Cyanide a Solvent for Gold?** By J. S. C. Wells. E. & M. J., vol. 60, p. 585. 1½ columns.
- ANALYSES OF CYANIDE MILL SOLUTIONS.** By W. J. Sharwood. E. & M. J., vol. 66, p. 216. 1 column.
- RATE OF SOLUTION OF GOLD IN POTASSIUM CYANIDE.** By T. H. Plunkett. Canadian Mining Review, Sept. 30, 1904. 1½ columns.
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Methods of Determining Arsenic

A RAPID METHOD OF DETERMINING ARSENIC IN ARSENOPIRYTE. By J. L. Danziger and W. H. Buckhout. Sch. Mines Quart., vol. 24, p. 400. 5 pages.

DETERMINATION OF ARSENIC IN BASE LEAD BULLION. P. E. Soc. W. Pa., vol. 10, p. 164. 4½ pages.

THE DETERMINATION OF ARSENIC AND ANTIMONY. By L. B. Skinner and R. H. Hawley. E. & M. J., vol. 74, p. 148. 2½ columns.

NOTE ON ARSENIC DETERMINATION. By R. C. Canby. T. A. I. M. E., vol. 17, p. 77.

DETERMINATION OF ARSENIC IN STEEL, AND IRON AND IRON ORES. By J. E. Stead. E. & M. J., vol. 59, p. 608. 1 column.

Determination of Cobalt, Nickel, Tungsten and Tin

A RAPID METHOD FOR THE DETERMINATION OF NICKEL IN STEEL. By A. T. Eastwick. P. E. Soc. W. Pa., vol. 9, p. 170. 2½ pages.

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DETERMINATION OF TIN IN TAILINGS AND SLIMES. By G. L. Mackenzie. T. I. M. & M., vol. 13, p. 87. 16 pages. I.

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Coal Analysis

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- A TECHNICAL SCHEME FOR THE RAPID DETERMINATION OF SMALL AMOUNTS OF COPPER IN CHILLED SLAGS.** By C. F. Leiby. E. & M. J., vol. 69, p. 708. $\frac{3}{4}$ column.
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- A RAPID METHOD FOR THE REDUCTION OF FERRIC SULPHATE IN VOLUMETRIC ANALYSIS.** By C. Jones. T. A. I. M. E., vol. 17, p. 411 and p. 757.
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Jigs and Jigging

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- Amalgamating Apparatus (Amalgamators)**
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- See PAN AMALGAMATION for further information on AMALGAMATORS.

The Patio Process of Amalgamation

- THE PATIO PROCESS IN SAN DIMAS, MEXICO. By R. E. Chism. T. A. I. M. E., vol. 11, p. 61.
- A STUDY OF AMALGAMATION METHODS, ESPECIALLY THE PATIO PROCESS, WITH THE OBJECT OF AVOIDING THE LOSS OF MERCURY. By Miguel Bustamente, Jr. T. A. I. M. E., vol. 32, p. 484.

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- DIAGRAMMATIC SCHEME OF PATIO PROCESS.** T. A. I. M. E., vol. 11, p. 76. I.
- NOTES ON THE PATIO PROCESS.** By C. A. Stetefeldt. T. A. I. M. E., vol. 13, p. 369.
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Magnetic Separation

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- THE CHASE MAGNETIC ORE-SEPARATOR. By H. S. Chase. T. A. I. M. E., vol. 21, p. 503.
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- TYPES OF SUCCESSFUL MAGNETIC CONCENTRATORS. J. C. M. I., vol. 6, p. 20.
- THE WENSTRÖM MAGNETIC SEPARATOR. By R. A. Cook. T. A. I. M. E., vol. 17, p. 599.
- A NEW MAGNETIC SEPARATOR. E. & M. J., vol. 67, p. 503. ¾ column. I.
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- MAGNETIC CONCENTRATION AT TILLY FOSTER.** By F. H. McDowell. T. A. I. M. E., vol. 21, p. 519.
- PRACTICAL RESULTS IN THE MAGNETIC CONCENTRATION OF IRON-ORE.** By W. H. Hoffman. T. A. I. M. E., vol. 20, p. 602.
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- NOTE ON THE MAGNETIC SEPARATION OF IRON-ORE AT THE SANFORD ORE-BED, MARIAH, ESSEX COUNTY, N. Y., IN 1852.** By W. P. Blake. T. A. I. M. E., vol. 21, p. 378.
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- RECENT PRACTICE IN MAGNETIC SEPARATION IN SWEDEN.** By H. C. McNeill. E. & M. J., vol. 68, pp. 608, 4 columns; and p. 640, I.
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- THE A. AND E. SLIME CONCENTRATOR.** E. & M. J., vol. 83, p. 713. 2 columns. I.
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- VALUES IN GOLD SLUDGE DUST.** E. & M. J., vol. 84, p. 443. ½ column.
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- Losses in Milling**
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- LOSSES IN TREATMENT OF TELLURIDE ORES.** By A. Montgomery. Min. & Sci. Press, vol. 90, p. 205. 2½ columns.
- A RICH OLD MILL SITE: Waste from Mill.** Min. & Sci. Press, vol. 34, p. 262. ½ column.
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- LOSS OF GOLD IN CALIFORNIA GOLD MILLS.** Min. & Sci. Press, vol. 25, p. 242. 2 columns.
- CAUSES OF GOLD MILL LOSSES.** Min. & Sci. Press, vol. 87, p. 368. 2½ columns.
- LOSSES IN EXTRACTION OF GOLD BY AMALGAMATION.** Min. & Sci. Press, vol. 54, p. 154. 2½ columns.
- LOSSES IN AMALGAMATION AT THE COMSTOCK LODE.** Min. & Sci. Press, vol. 62, p. 163. Table.
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- THE DRY SEPARATION OF GOLD AND COPPER.** By F. R. Carpenter. E. & M. J., vol. 63, p. 193. 1½ columns.
- DRY CONCENTRATION IN NORTH WALES.** E. & M. J., vol. 60, p. 55. 1½ columns.
- DRY CONCENTRATION AT FRISCO, UTAH.** By H. V. F. Furman. Sch. Mines Quart., vol. 3, p. 127. 6 pages.
- THE DRY CONCENTRATION OF ORES.** By J. S. Newberry. Sch. Mines Quart., vol. 4, p. 1. 5 pages.
- DRY BLOWING OF GOLD IN KALGOORLIE, AUSTRALIA.** T. A. I. M. E., vol. 28, pp. 95, 510, 511, 512-518.
- DRY BLOWING, AS CARRIED OUT ON THE VARIOUS GOLDFIELDS OF WESTERN AUSTRALIA.** By J. A. Mactear. T. I. M. & M., vol. 3, pp. 331 and 332.
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- A DRY PROCESS FOR THE TREATMENT OF COMPLEX SULPHIDE ORES.** By H. Livingstone Sulman. T. I. M. & M., vol. 10, p. 430. 28 pages.
- THE "CROWN" DRY CONCENTRATING SYSTEM.** E. & M. J., vol. 71, p. 694. 1½ columns. I.
- WOOD'S DRY PLACER MINER.** E. & M. J., vol. 61, p. 276. 1 column. I.
- DRY BLOWERS IN AUSTRALIAN GOLD PLACERS.** E. & M. J., vol. 74, p. 482. 6 columns. I.
- THE EDISON DRY PROCESS FOR THE SEPARATION OF GOLD FROM GRAVEL.** By C. M. Chapman. E. & M. J., vol. 75, p. 713. 2½ columns. I.
- THE PROBLEM OF THE DRY-PLACERS.** By H. A. Mather. E. & M. J., vol. 76, p. 314. 2½ columns. I.
- THE FREID GRAVITY DRY-PROCESS SEPARATOR.** By D. McLean. E. & M. J., vol. 76, p. 970. 2 columns. I.
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- SYSTEMATIC PREPARATION OF MINERALIZED ORES BY DRY CRUSHING AND CONCENTRATION.** E. & M. J., vol. 13, p. 89, 2 columns; p. 106, 2 columns; p. 122, 2 columns; p. 129, 1½ columns; p. 156, 1½ columns; and p. 161, 3 columns.
- VINCENT'S DRY ORE CONCENTRATOR.** Min. & Sci. Press, vol. 30, p. 313. 1½ columns. I.
- KROM'S DRY CONCENTRATORS OR AIR JIGS: A Challenge.** E. & M. J., vol. 42, p. 111, 1½ columns; p. 165, 1½ columns; p. 182, 1 column.
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- AIR JIGS.** E. & M. J., vol. 42, p. 237. 1½ columns.
- DRY GOLD SEPARATING MACHINE.** Min. & Sci. Press, vol. 34, p. 70. ½ column. I.
- SAND AND GRAVEL SEPARATOR: Wet or Dry.** Min. & Sci. Press, vol. 33, p. 281. 1 column.
- WORKING DRY PLACERS: Dry Concentrator.** Min. & Sci. Press, vol. 35, p. 24. ½ column.
- THE PRINZ IMPROVED DUST COLLECTOR.** E. & M. J., vol. 40, p. 306. ½ column.
- CONCENTRATION OF ORES BY MEANS OF AIR.** E. & M. J., vol. 13, p. 169. ½ column.
- DRY CONCENTRATION.** E. & M. J., vol. 13, p. 180. 1½ columns.

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Practice in Milling Ores.

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MILLING ARIZONA GOLD-ORES WITH A COLORADO STAMP-MILL. By W. S. Morse. T. A. I. M. E., vol. 25, p. 130.

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NOTES ON THE STAMP-MILLS AND CHLORINATION-WORKS OF THE PLYMOUTH CONSOLIDATED GOLD MINING COMPANY, AMADOR COUNTY, CAL. By G. W. Small. T. A. I. M. E., vol. 15, p. 305.

- GOLD MILLING IN COLORADO.** By John Roger. Engineering, London, vol. 66, p. 3, 7 columns, I.; and p. 221, 6 columns.
- CONCENTRATING MILL FOR SILVER ORES.** E. & M. J., vol. 46, p. 392. 2 columns. I.
- MILLING IN UTAH.** E. & M. J., vol. 77, p. 604. 2 columns.
- SOME OLD GOLD MILLS.** By F. W. Holbrook. Sch. Mines Quart., vol. 8, p. 61. 4 pages. I.
- THE SILVER KING CONCENTRATING MILL, PARK CITY, UTAH.** By J. H. Steele. Min. & Sci. Press, vol. 85, p. 204. 1½ columns. I.
- EARLY QUARTZ MILLING IN GRASS VALLEY, CAL.** By G. F. Deetkin. E. & M. J., vol. 58, p. 390. 1 column.
- SECRET PROCESS FOR WORKING COMSTOCK ORE.** By D. DeQuille. E. & M. J., vol. 53, p. 544. 1½ columns.
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- ORE DRESSING AT BROKEN HILL, AUSTRALIA. By G. D. Deprat. E. & M. J., vol. 83, p. 317. 15 columns. I.
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- ORE MILLING IN WISCONSIN. E. & M. J., vol. 82, p. 152. 8 columns. I.
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- NEW BUNKER HILL AND SULLIVAN MILL: Built in Four Months. M. & M., vol. 20, p. 343. 1½ columns.
- ST. MARY'S LEAD WORKS, CORNWALL, ENGLAND. By W. R. Lewis. E. & M. J., vol. 74, p. 216. 2 columns. I.
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- MILLING "SHEET GROUND" ORE IN JOPLIN DISTRICT. By Doss Brittain. E. & M. J., vol. 84, p. 59. 14 columns. I.

- THE CORNISH SYSTEM OF TIN ORE-DRESSING.** By R. J. Frecheville. E. & M. J., vol. 40, p. 416. 3½ columns.
- THE TIN ORE CONCENTRATING PLANT AT HARNEY PEAK, SOUTH DAKOTA.** E. & M. J., vol. 54, p. 102. 2½ columns. I.
- PYRITES CONCENTRATION AT HERMON, N. Y.** E. & M. J., vol. 81, p. 1192. 2 columns.
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- ORE-DRESSING AND CONCENTRATION IN SWEDEN.** By P. G. Lidner. T. A. I. M. E., vol. 24, p. 486.
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Use of Concrete in Mines

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CONVEYORS FOR MINERAL AND COAL

Kinds of Conveyors, Operation, etc.

- SLIDING-TROUGH CONVEYORS. By M. Malplat. T. I. M. E., vol. 33, p. 198. 3 pages. I.
- SAND LAUNDERS. E. & M. J., vol. 80, p. 1119. 2 columns.
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- A DEVICE FOR CLEANING CONVEYOR BELTS. E. & M. J., vol. 83, p. 282. 1 column. I.
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- CONVEYOR BELTS FOR COARSE ROCK. E. & M. J., vol. 79, p. 1237. $\frac{1}{2}$ column.
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- WORM CONVEYORS: Capacity and Power to Drive. The Mech. Handling of Material, p. 36. 8 pages. I.
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- CAR RETARDERS FOR INCLINES. M. & M., vol. 24, p. 173. 2 columns. I.
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- Loading and Unloading Conveyors for Vessels and Cars, etc.**
- CONVEYING-BELTS AND THEIR USE. By T. Robins, Jr. E. & M. J., vol. 62, p. 56, 3 columns, I.; and p. 77. I.
- THE VICTOR BOX-CAR LOADER. M. & M., Aug., 1902, p. 29. $1\frac{1}{2}$ columns.
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- MINING IN RHODESIA.** By A. H. Halder. T. F. I. M. E., vol. 13, p. 609. 4 pages.
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Austro-Hungary

- THE ROUDNY GOLD MINE, BOHEMIA.** By O. Eypert. Min. Mag., vol. 11, p. 463. 2 columns.
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Belgium

THE MINING INDUSTRY OF BELGIUM. By A. Briat. T. I. M. E., vol. 15, p. 470. 20 pages.

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Brazil

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HISTORICAL SKETCH OF GOLD MINING IN MINAS GERAES, BRAZIL. By A. Medrado. E. & M. J., vol. 73, p. 447. $1\frac{1}{2}$ columns.

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THE MORRO VELHO GOLD MINE, BRAZIL. E. & M. J., vol. 72, p. 485. $9\frac{1}{2}$ columns. I.

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- BRAZILIAN DIAMONDS AND CARBONS.** E. & M. J., vol. 33, p. 132. ½ column. I.
- DIAMOND MINING IN BRAZIL.** E. & M. J., vol. 77, p. 893. ½ column.
- THE DIAMOND DEPOSITS OF SALOBRO, BRAZIL.** By F. de Paula Oliverira. E. & M. J., vol. 72, p. 635. 4 columns.
- CARBONS IN BRAZIL.** M. & M., vol. 19, p. 203. 1 column.
- THE MANGANESE DEPOSITS OF GANDARELLA, MINAS GERAES, BRAZIL.** By J. G. Michaeli. E. & M. J., vol. 72, p. 818. 1½ columns.
- THE ORE DEPOSITS AND MINES OF MINAS GERAES, BRAZIL.** By A. Mezger. E. & M. J., vol. 50, p. 239, 1½ columns; and p. 272, 2 columns.
- MANGANESE MINING IN BAHIA, BRAZIL.** M. & M., vol. 20, p. 138. 1 column.
- THE MANGANESE-DEPOSITS OF BAHIA AND MINAS, BRAZIL.** By J. C. Branner. T. A. I. M. E., vol. 29, p. 756.
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- ON THE OCCURRENCE OF MICA IN BRAZIL AND ON ITS PREPARATION FOR THE MARKET.** By H. K. Scott. T. I. M. & M., vol. 12, p. 351. 14 pages. I. Map.
- THE MINERALS OF BRAZIL.** By J. Ross. E. & M. J., vol. 59, p. 125. 3 columns.
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- MINING AND ENGINEERING IN BRAZIL.** E. & M. J., vol. 49, p. 136. ½ column.
- MATTO GROSSO, BRAZIL.** By A. Brandenburg. E. & M. J., vol. 82, p. 386. 2½ columns.
- THE MINERAL INDUSTRY OF BRAZIL.** By M. A. R. Lisboa. E. & M. J., vol. 83, p. 419. 5½ columns. I.
- BRAZIL AND ITS MINERAL INDUSTRY.** By A. Brandenburg. Min. Mag., vol. 13, p. 560. 14 columns. I.
- PALLADIUM AND PLATINUM IN BRAZIL.** T. I. M. E., vol. 30, p. 607. 1 page.
- THE COAL FIELDS OF RIO GRANDE DO SUL, BRAZIL.** By R. Henschel. E. & M. J., vol. 10, p. 66. 3½ columns. I.

Bolivia

- THE TIPUANI GOLD-FIELDS OF BOLIVIA.** By W. C. Agle. E. & M. J., vol. 63, p. 544. 1½ columns.
- THE CRURO SILVER MINES IN BOLIVIA.** By J. Bosadre. E. & M. J., vol. 60, p. 440. 1 column.
- THE POTOSI, BOLIVIA, SILVER DISTRICT.** By A. F. Wendt. T. A. I. M. E., vol. 19, p. 74.
- THE GOLD DEPOSITS OF THE TIPUANI RIVER, BOLIVIA.** By F. G. Corning. E. & M. J., vol. 42, p. 58. 5 columns. I.
- MINERALS FOUND IN THE SILVER LODES OF TATASI AND PORTUGATE, BOLIVIA.** By M. Roberts. T. I. M. & M., vol. 7, p. 91. 2½ pages.
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- THE TIN MINES OF BOLIVIA.** By W. McDermott. T. I. M. & M., vol. 7, p. 77. 15 pages.
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- RAILWAY AND MINING DEVELOPMENTS IN BOLIVIA.** E. & M. J., vol. 82, p. 2. 3 columns.
- British Columbia**
- MINING PRACTICE AT ROSSLAND, BRITISH COLUMBIA: The Methods of Development at War Eagle and Centre Star.** By R. B. Brinsmade. M. & M., vol. 21, p. 363. 10 columns. I.
- A TRIP TO ROSSLAND, BRITISH COLUMBIA: An Account of Some of the Mines and the Peculiarities of the Ores.** By A. Lakes. M. & M., July, 1900, p. 543. 6 columns.
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- THE ORE DEPOSITS OF THE BOUNDARY CREEK DISTRICT, BRITISH COLUMBIA.** By R. W. Brock. *J. C. M. I.*, vol. 5, p. 365. 14 pages.
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- MINING IN BRITISH COLUMBIA, CANADA.** By E. Jacobs. *E. & M. J.*, vol. 72, p. 254. 2½ columns. I.
- THE JEWEL GOLD MINE, BOUNDARY DISTRICT, BRITISH COLUMBIA.** *E. & M. J.*, vol. 72, p. 382. 2½ columns. I.
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- BRITISH COLUMBIA: Texada Island.** By W. M. Brewer. *E. & M. J.*, vol. 72, p. 665. 6½ columns. I.

- CAMP MCKINNEY, BRITISH COLUMBIA.** By W. M. Brewer. E. & M. J., vol. 72, p. 784. 3 columns. I.
- VANCOUVER ISLAND MINES AND PROSPECTS.** By W. M. Brewer. E. & M. J., vol. 72, p. 846. 8 columns. I.
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- BRITISH COLUMBIA: Boundary Mining District. Progress in Mining and Smelting.** By W. M. Brewer. E. & M. J., vol. 73, p. 617. 10½ columns. I.
- BOUNDARY DISTRICT OF BRITISH COLUMBIA.** By E. Jacobs. E. & M. J., vol. 73, p. 302. 6½ columns. I.
- NOTES FROM THE ATLIN DISTRICT, BRITISH COLUMBIA.** By W. M. Brook. E. & M. J., vol. 74, p. 707. 5½ columns. I.
- THE BOUNDARY DISTRICT, BRITISH COLUMBIA.** By E. Jacobs. E. & M. J., vol. 76, p. 272. 7½ columns. I.
- THE ATLIN DISTRICT, BRITISH COLUMBIA.** By W. W. Grime. E. & M. J., vol. 77, p. 523. 2 columns. I.
- THE SNOWSHOE MINE, BOUNDARY DISTRICT, BRITISH COLUMBIA.** By E. Jacobs. E. & M. J., vol. 72, p. 661. 4 columns. I.
- THE ST. EUGENE MINE, BRITISH COLUMBIA.** By E. Jacobs. E. & M. J., vol. 77, p. 966. 2½ columns.
- WHITE HORSE DISTRICT IN YUKON TERRITORY.** By W. M. Brewer. M. & M., vol. 24, p. 28. 6½ columns. I.
- THE TRAIL CREEK DISTRICT, BRITISH COLUMBIA.** By P. C. Stoess. E. & M. J., vol. 58, p. 319. 1 column. Map.
- WINDY ARM MINERAL LOCATIONS, BRITISH COLUMBIA.** By W. F. Robertson. E. & M. J., vol. 81, p. 701. 6 columns. I.
- THE CARIBOO QUARTZ LEDGES, BRITISH COLUMBIA.** Min. & Sci. Press, vol. 36, p. 33, 3 columns, I.; and p. 82, ¾ column.
- TRAIL CREEK (BRITISH COLUMBIA) MINING DISTRICT.** Min. & Sci. Press, vol. 73, p. 236. 3½ columns.
- RECENT MINERAL DISCOVERIES ON WINDY ARM OF TAGISH LAKE, BRITISH COLUMBIA.** By R. G. McConnell. M. & M., vol. 27, p. 15. 3 columns.
- THE ATLIN GOLD FIELDS OF BRITISH COLUMBIA.** By J. H. Brownlee. Min. & Sci. Press, vol. 80, p. 549. 5 columns. I.
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- ALLUVIAL DEPOSITS OF HORSEFLY, BRITISH COLUMBIA.** By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 284, 7 columns, I.; and p. 305, 2½ columns, I.
- NOTES ON THE DROMEDARY GOLD-MINES.** By S. L. Bensusan. T. I. M. & M., vol. 9, p. 306. 4 pages.
- SILVER MINES OF WEST KOOTENAY, BRITISH COLUMBIA.** By E. D. Ingall. J. M. Soc. N. S., vol. 3, p. 141. 8½ pages.
- RAMBLER-CARIBOO MINES, SLOCAN DISTRICT, BRITISH COLUMBIA.** E. & M. J., vol. 82, p. 781. 1 column.
- THE LE ROI MINE.** By O. Hall. J. C. M. I., vol. 5, p. 403. 18 pages.
- THE LE ROI, CENTRE STAR, AND WAR EAGLE MINES.** By D'Arcy Weatherbe. Min. & Sci. Press, vol. 92, p. 221. 4 columns. I.
- THE GRANBY MINE, BRITISH COLUMBIA.** E. & M. J., vol. 82, p. 441. 6½ columns. I.
- THE SILVER-LEAD DEPOSITS OF THE SLOCAN, BRITISH COLUMBIA.** By J. D. Kendall. T. I. M. & M., vol. 7, p. 273. 46 pages. I.
- THE LEAD INDUSTRY IN BRITISH COLUMBIA.** E. & M. J., vol. 82, p. 551. 3½ columns.
- NOTES ON THE BRITISH COLUMBIA ZINC PROBLEM.** By A. C. Garde. J. C. M. I., vol. 7, p. 368. 9 pages.

- THE ZINC RESOURCES OF BRITISH COLUMBIA.** E. & M. J., vol. 82, p. 1069. 2½ columns.
- ZINC MINES OF THE EAST AND WEST KOOTENAYS.** By P. Argall. Rept. Zinc Comm. Canada, 1906, p. 161. 101 pages.
- ZINC ORES IN BRITISH COLUMBIA.** E. & M. J., vol. 77, p. 844. 4 columns.
- ZINC RESOURCES OF BRITISH COLUMBIA.** Min. & Sci. Press, vol. 93, p. 658. 2 columns.
- SOME OBSERVATIONS RELATIVE TO THE OCCURRENCE OF DEPOSITS OF COPPER ORE ON VANCOUVER ISLAND AND OTHER PORTIONS OF THE PACIFIC COAST.** By Wm. M. Brewer. J. C. M. I., vol. 9, p. 39. 10½ pages.
- BRITISH COLUMBIA.** By R. C. L. Brown. E. & M. J., vol. 9, p. 179. 5½ columns.
- COPPER ON VANCOUVER ISLAND.** E. & M. J., vol. 82, p. 592. 1 column.
- THE PRODUCTION OF COPPER IN THE BOUNDARY DISTRICT, BRITISH COLUMBIA.** By A. R. Ledoux. J. C. M. I., vol. 5, p. 171. 7 pages.
- COPPER MINING AT KAMLOOPS, BRITISH COLUMBIA.** By W. M. Wade. E. & M. J., vol. 66, p. 698. 1 column.
- COPPER MOUNTAIN, BRITISH COLUMBIA.** By J. Catherinet. E. & M. J., Jan. 19, 1905, p. 125. 8 columns. I.
- BRITISH COLUMBIA COPPER COMPANY'S MINES.** By E. Jacobs. E. & M. J., vol. 71, p. 648. 3 columns. I.
- THE ORE-DEPOSITS OF COPPER MOUNTAIN, SIMILKAMEEN DISTRICT, BRITISH COLUMBIA.** By O. N. Scott. J. C. M. I., vol. 5, p. 493. 9 pages. I.
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- THE CROW'S NEST PASS COAL MINE.** By C. V. Corliass. E. & M. J., vol. 71, p. 810. 3½ columns. I.
- NOTES ON THE SPECIAL FEATURES OF COAL MINING IN THE CROW'S NEST, BRITISH COLUMBIA.** By J. McEvoy. J. C. M. I., vol. 7, p. 500. 5 pages.
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- THE COOS BAY COAL-FIELDS.** By C. Rockwell. E. & M. J., vol. 73, p. 238, 7½ columns, I.; and p. 270, 6 columns, I.
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- COBALT, ONTARIO.** By T. A. Rickard. Min. & Sci. Press, vol. 94, p. 23. $5\frac{1}{2}$ columns. I.
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- THE NIPISSING AND FOSTER-COBALT MINES.** By R. Meeks. E. & M. J., vol. 83, p. 274. 8 columns. I.
- NIPISSING AND ITS FLUCTUATIONS.** E. & M. J., vol. 82, p. 1083. $1\frac{1}{2}$ columns.
- THE NICKEL ORES OF ORFORD, QUEBEC, CANADA.** By W. E. C. Eustis. T. A. I. M. E., vol. 6, p. 209.
- THE NICKEL MINES OF NORTHERN ONTARIO.** E. & M. J., vol. 78, p. 336. $1\frac{1}{2}$ columns.
- THE SUDBURY NICKEL REGION.** By P. Thompson. E. & M. J., vol. 82, p. 3. 3 columns.
- MINING IN EASTERN ONTARIO.** E. & M. J., vol. 82, p. 11. 1 column.
- CANADA'S NICKEL DEPOSITS.** By J. A. Macdonald. Min. & Sci. Press, vol. 93, p. 238. 1 column.
- THE COBALT-NICKEL ARSENIDES AND SILVER DEPOSITS OF TIMISKAMING, CANADA.** By W. G. Miller. Min. Mag., vol. 13, p. 329. 5 columns. Map.
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- TWO GREAT NICKEL MINES IN CANADA.** E. & M. J., vol. 76, p. 932. 1 column.

- THE SUDBURY DISTRICT.** E. & M. J., vol. 80, p. 116, 2½ columns; and vol. 77, p. 14, 1 column.
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- THE NICKEL MINES OF NORTHERN ONTARIO.** By A. McCharles. E. & M. J., vol. 73, p. 694. 1½ columns.
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- NOTES ON THE PRODUCTION AND USES OF CANADIAN CHROME.** By W. H. Edwards. J. C. M. I., vol. 9, p. 35. 4½ pages.
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- MINING DISTRICTS OF COLOMBIA. By H. G. Granger and Edward R. Treville. T. A. I. M. E., vol. 28, pp. 33, 591.
- THE CAUCA MINING DISTRICT, UNITED STATES OF COLOMBIA, SOUTH AMERICA. By J. H. Hammond. T. A. I. M. E., vol. 13, p. 133.
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Chile

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- SILVER MINES AND MINING, CLEAR CREEK COUNTY, COLORADO.** By F. L. Vinton. *E. & M. J.*, vol. 27, p. 73. 3½ columns. I.
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- NOTES ON THE GEOLOGY AND ON SOME OF THE MINES OF ASPEN MOUNTAIN, PITKIN COUNTY, COLORADO.** By C. Heinrich. *T. A. I. M. E.*, vol. 17, p. 156. 50 pages. I.
- THE SILVER MINES OF CALICO, COLORADO.** By W. Lindgren. *T. A. I. M. E.*, vol. 15, p. 717. 18 pages. I.
- THE LA PLATA MOUNTAINS OF COLORADO: Telluride Veins and the Mancos Contact.** By A. Lakes. *M. & M.*, vol. 20, p. 279. 3½ columns. I.
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- THE GOLD BELT OF PITKIN COUNTY, COLORADO.** By J. R. Holibaugh. E. & M. J., vol. 62, p. 559. 1 column.
- THE VICTOR MINE, CRIPPLE CREEK, COLORADO.** By H. J. Elder. E. & M. J., vol. 56, p. 193. 1½ columns. I.
- THE 4-MILE PLACER FIELDS OF COLORADO AND WYOMING.** By E. P. Snow. E. & M. J., vol. 60, p. 102. 2 columns. I.
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- BOULDER REGION, COLORADO.** By A. Lakes. M. & M., vol. 19, p. 252. 2 columns.
- EXPLOITING A NEW PLACER FIELD AT FAIRPLAY, COLORADO.** By A. Lakes. M. & M., vol. 21, p. 128. 3½ columns. I.
- THE AMERICAN NETTIE MINE, NEAR OURAY, COLORADO.** By A. Lakes. M. & M., vol. 21, p. 241. 8 columns. I.
- FARNCOMB HILL GOLD DEPOSITS.** By A. Lakes. M. & M., vol. 21, p. 222. 1½ columns.
- THE BOTTOM LEVELS AT CRIPPLE CREEK.** By G. J. Bancroft. E. & M. J., vol. 76, p. 86. 4 columns.
- RED MOUNTAIN, COLORADO, SILVER MINES.** By W. Weston. E. & M. J., vol. 51, p. 348. 2½ columns. I.
- THE YANKEE GIRL ORE BELT IN COLORADO.** By W. Weston. E. & M. J., vol. 52, p. 162. 2½ columns. I.
- THE MINES OF MARSHALL BASIN, COLORADO.** E. & M. J., vol. 51, p. 717. 1 column. I.
- SAN MIGUEL MINES, COLORADO.** E. & M. J., vol. 30, p. 185. 1½ columns.
- THE LEADVILLE GOLD BELT.** By A. A. Blow. E. & M. J., vol. 59, p. 77. 1½ columns. I.
- KOKOMA, TEN MILE DISTRICT, COLORADO.** E. & M. J., vol. 31, p. 430. 1 column.
- THE LITTLE ANNIE MINE, SUMMIT, RIO GRANDE COUNTY, COLORADO.** E. & M. J., vol. 25, p. 57, 2 columns; and p. 77, 2 columns.
- CRIPPLE CREEK, COLORADO.** By E. Skewes. E. & M. J., vol. 59, p. 103, 3 columns, I.; and p. 151, 3 columns, I.
- THE CARIBOU SILVER MINES, COLORADO.** E. & M. J., vol. 24, p. 105. 5 columns. I.
- THE FULLER PLACER MINES, COLORADO.** E. & M. J., vol. 24, p. 454. 2 columns. I.
- ACROSS THE SAN JUAN MOUNTAINS.** By T. A. Rickard. E. & M. J., vol. 76, p. 7, 5 columns, I.; p. 45, 4½ columns, I.; p. 82, 7 columns, I.; p. 118, 6 columns, I.; p. 154, 5 columns, I.; p. 230, 2½ columns, I.; p. 269, 4 columns, I.; p. 307, 3½ columns, I.; p. 346, 3 columns, I.; p. 385, 6½ columns, I.; p. 423, 4½ columns, I.; p. 461, 7 columns, I.
- SAN JUAN SILVER MINES, COLORADO.** E. & M. J., vol. 31, pp. 22, 40, 92.
- SAN JUAN COUNTY, COLORADO.** E. & M. J., vol. 31, pp. 8, 24, 61, 114, 148, 199, 247, 289, 304, 339, 402, 434.
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- THE TAVICHE MINING-DISTRICT NEAR OCOTLAN, STATE OF OAXACA, MEXICO. By H. M. Chance. T. A. I. M. E., vol. 35, p. 886. 6 pages.
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- THE MINING DISTRICT OF PARRAL, STATE OF CHIHUAHUA, MEXICO. By G. A. Burr. E. & M. J., vol. 75, p. 216. 3 columns. I.
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- THE OCAMPO DISTRICT, MEXICO. By A. R. Townsend. E. & M. J., vol. 77, p. 515. 5½ columns. Map.
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- COPPER DEPOSITS IN SINOLOA AND SOUTHERN SONORA, MEXICO.** By F. Rickard. E. & M. J., vol. 78, p. 97. 7 columns. I.
- LA CANANEA MINING CAMP.** By G. E. Woodbridge. E. & M. J., vol. 82, p. 623. 14 columns. I.
- SANTA CRUZ, A NEW COPPER CAMP IN SONORA.** By F. J. H. Merrill. E. & M. J., vol. 83, p. 1043. 1 column. I.
- THE CANANEA COPPER DEPOSITS.** By R. B. Brinsmade. M. & M., vol. 27, p. 422. 4½ columns. I.

- THE COPPER-DEPOSITS AT SAN JOSE, TAMAULIPAS, MEXICO.** By J. F. Kemp. T. A. I. M. E., vol. 36, p. 178. 25 pages. I.
- THE TAVICHE MINING DISTRICT NEAR OCOTLAN, STATE OF OAXACA, MEXICO.** T. A. I. M. E., vol. 36, p. 798. 2½ pages.
- THE MINES OF CANANEA, MEXICO.** Min. & Sci. Press, vol. 90, p. 200, 2 columns, I.; p. 220, 3½ columns.
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- A NEW COPPER DISTRICT IN MEXICO.** By E. du B. Lukis. E. & M. J., vol. 65, p. 279. 3 columns. I.
- THE IRON MOUNTAIN AND PLANT OF THE MEXICAN NATIONAL IRON AND STEEL COMPANY, DURANGO, MEXICO.** By T. E. Witherbee. T. A. I. M. E., vol. 32, p. 156.
- IRON IN MEXICO.** By R. E. Chism. E. & M. J., vol. 46, p. 391. 2 columns.
- THE CERRO DE MERCADO (IRON MOUNTAIN) AT DURANGO, MEXICO.** By J. Birkinbine. T. A. I. M. E., vol. 13, p. 189.
- A COKING COAL IN CHIHUAHUA.** By W. B. Phillips. E. & M. J., vol. 79, p. 661. 4 columns. I.
- LAS ESPERANZAS COAL MINES, MEXICO.** By E. Ludlow. E. & M. J., vol. 71, p. 331. 2 columns. I.
- THE COAL-FIELDS OF LAS ESPERANZAS, COAHUILA, MEXICO.** By E. Ludlow. T. A. I. M. E., vol. 32, p. 140.
- COALS IN MEXICO, SANTA ROSA DISTRICT.** By W. H. Adams. T. A. I. M. E., vol. 10, p. 270.
- THE COALFIELDS OF MEXICO.** E. & M. J., vol. 57, p. 535. ¼ column.
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- THE SABINAS COALFIELD, MEXICO.** By E. G. Tuttle. E. & M. J., vol. 58, p. 390. 3½ columns. I.
- THE CERRILLOS ANTHRACITE MINES.** By A. Lakes. M. & M., vol. 21, p. 341. 1½ columns. I.
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- NOTES ON THE TIN-DEPOSITS OF MEXICO.** By W. R. Ingalls. T. A. I. M. E., vol. 27, p. 428.
- THE TIN-DEPOSITS OF DURANGO, MEXICO.** By W. R. Ingalls. T. A. I. M. E., vol. 25, pp. 146, 997.
- THE SAIN ALTO TIN DEPOSITS, STATE OF ZACATECAS, MEXICO.** By J. N. Nevins. E. & M. J., vol. 75, p. 929. 2 columns. I.
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- MINING AND TREATMENT OF QUICKSILVER ORES AT GUADALCAZAR, MEXICO.** By W. H. Rundall. E. & M. J., vol. 59, p. 607. 2½ columns. I.
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- NOTES ON THE STRUCTURE OF ORE-BEARING VEINS IN MEXICO.** By E. Halse. T. A. I. M. E., vol. 32, p. 285.
- THE WEST COAST OF MEXICO.** By D. E. Woodbridge. E. & M. J., vol. 84, p. 394. 6 columns.
- ASPHALT IN MEXICO.** E. & M. J., vol. 62, p. 610. ¼ column.
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- NOTES ON THE OCCURRENCE OF MANGANESE ORE NEAR MULEGE, BAJA, CALIFORNIA, MEXICO.** By E. Halse. T. F. I. M. E., vol. 3, p. 934. 7 pages. I.
- GEMS AND PRECIOUS STONES OF MEXICO.** By G. F. Kuntz. T. A. I. M. E., vol. 32, p. 55.
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- THE SAHUATACAN DISTRICT, MEXICO.** By R. M. Bogg, Jr. E. & M. J., vol. 79, p. 749. 4½ columns. I.
- THE SANTA ELENA MINE, MEXICO.** E. & M. J., vol. 68, p. 275. 2 columns. I.
- THE TOJOS MINE, MEXICO.** By F. B. Fowler. E. & M. J., vol. 68, p. 666. 1 column.
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- MINING NOTES FROM SINALOA, MEXICO.** By W. W. Fisk. E. & M. J., vol. 72, p. 109. $\frac{1}{2}$ column.
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- FROM PARRAL TO GUADALOUPE Y CALVO, CHIHUAHUA, MEXICO.** By H. Z. Osborne. Min. & Sci. Press, vol. 87, p. 51, $3\frac{1}{2}$ columns, I.; p. 64, 3 columns, I.; p. 83, 2 columns, I.
- THREE WEEKS IN MEXICO.** By T. A. Rickard. Min. & Sci. Press, vol. 93, p. 7, $4\frac{1}{2}$ columns, I.; p. 53, 6 columns, I.; p. 83, 4 columns, I.; p. 350, $9\frac{1}{2}$ columns, I.; p. 381, 8 columns, I.; p. 416, 6 columns, I.; p. 442, $7\frac{1}{2}$ columns, I.; p. 506, 6 columns, I.; p. 538, 6 columns, I.; p. 568, 5 columns, I.; p. 599, 5 columns, I.; p. 627, 3 columns, I.
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- AN ACCOUNT OF THE CENTRAL AND MINERAL DISTRICTS OF VERA CRUZ.** Am. Jour. Min., vol. 4, pp. 258, 291, 306.
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- THE SAHUARIPA DISTRICT, SONORA.** E. & M. J., vol. 82, p. 629. $5\frac{1}{2}$ columns. I.
- THE MINING CAMPS, SINALOA, MEXICO.** E. & M. J., vol. 82, p. 635. 5 columns. I.
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Portugal

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Vermont

Venezuela

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DRILLING AND BORING

Hand Drills

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- ROCK DRILLING AND BLASTING.** By N. W. Parlee. J. C. M. I., vol. 6, p. 376. 13 pages.
- A ROCK-DRILL FOR SAVING SLATE-ROCK.** By H. Humphris. T. I. M. E., vol. 20, p. 188. 1 page. I.
- THE ROSS ROCK-DRILL.** By J. M. Ross. T. F. I. M. E., vol. 8, p. 205. 5 pages. I.
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Air Hammer Drills

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Electric Drills

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- THE BLADRAY ELECTRIC DRILL. E. & M. J., vol. 64, p. 575. $1\frac{1}{2}$ columns. I.
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- ELECTRIC DRILL TESTS. Min. & Sci. Press, vol. 91, p. 126. $\frac{3}{4}$ column.

Forming and Tempering Drills

- KINDS AND SIZES OF BITS USED IN THE HEMATITE MINES OF NEW YORK, WITH METHODS OF SHARPENING. E. & M. J., vol. 82, p. 555. $1\frac{1}{2}$ columns.
- THE MOHAW BIT. E. & M. J., vol. 82, p. 438. Notes. I.
- DRILL STEEL, BITS, DRESSING BITS AND TEMPERING. E. & M. J., vol. 82, p. 780. 3 columns.
- NEW FORM OF STEEL DRILL BAR. Min. & Sci. Press, vol. 49, p. 17. $1\frac{1}{2}$ columns. I.
- "STAR" VS. "CHISEL" BIT. E. & M. J., vol. 81, p. 620. Note.
- GROOVED STEEL FOR DRILLS. Min. & Sci. Press, vol. 39, p. 396. $\frac{1}{2}$ column. I.
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- MACHINE DRILLS, DRILL STEEL AND BITS. The Witwatersrand Gold-Fields, pp. 375, 381. I.
- A NEW FORM OF MINE DRILL BIT. By W. Fitch. T. L. S. M. I., vol. 7, p. 94. 6 pages. I.
- PERCENT CARBON IN DRILL STEEL CAUSE OF DULLING EASILY. E. & M. J., vol. 80, p. 212. Note.
- TEMPERING IRON AND STEEL. E. & M. J., vol. 49, p. 538. $1\frac{1}{2}$ columns.
- THE SCALE OF COLOR-TEMPERATURES. E. & M. J., vol. 80, p. 164. Note.
- LOSS OF TEMPER BY TREATMENT IN HOT WATER. E. & M. J., vol. 79, p. 1052. Note.

- THE TEMPERING STEEL FOR MINING PURPOSES.** M. & M., vol. 20, p. 188. 1½ columns.
- CHANGES STEEL MAY UNDERGO IN TEMPERING.** M. & M., vol. 21, p. 43. 1½ columns.
- CASE-HARDENING.** E. & M. J., vol. 56, p. 637. ½ column.
- STRAIGHTENING TEMPERED STEEL.** Min. & Sci. Press, vol. 64, p. 264. ½ column.
- THE HARDENING OF STEEL.** By H. M. Howe. E. & M. J., vol. 60, p. 173, 3 columns; and vol. 59, p. 344, ½ column.
- ON THE TEMPERING OF IRON HARDENED BY OVERSTRAIN** (Couplings Hardened by Stretching may be Softened by Annealing). By James Muir. Engineering, London, vol. 71, p. 126. 2½ columns.
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- ROCK-DRILL BITS.** By T. H. Proske. E. & M. J., vol. 77, p. 724. 3 columns. I. Correction. E. & M. J., vol. 77, p. 758. ½ column. I.
- MAKING AND TEMPERING DRILLS.** M. & M., vol. 24, p. 38. 3 columns. I.
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- RULES FOR TEMPERING STEEL.** Min. & Sci. Press, vol. 34, p. 3. ½ column.
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- THE TEMPERING OF DRILL-BITS.** Min. & Sci. Press, vol. 94, p. 220. 1 column.
- THE LEYNER DRILL-SHARPENING MACHINE.** M. & M., vol. 28, p. 245. 2 columns. I.
- SHARPENING MINING TOOLS.** Min. & Sci. Press, vol. 88, p. 428, 2 columns, I.; vol. 89, p. 4, 2½ columns, I.
- THE EDGES OF DRILL BITS.** Min. & Sci. Press, vol. 84, p. 63. 1½ columns. I.
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- ANNEALING AND CASE HARDENING TOOL STEEL.** Min. & Sci. Press, vol. 87, p. 288. ½ column.
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- TEMPERING STEEL.** Min. & Sci. Press, vol. 73, p. 154. ½ column.
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- THE LEAD BATH FOR TEMPERING.** Min. & Sci. Press, vol. 40, p. 403. ½ column.
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- SHARPENING MINERS' TOOLS.** Min. & Sci. Press, vol. 51, p. 419. ½ column.
- TO SHARPEN AND TEMPER A HAND DRILL.** M. & M., Oct., 1904, p. 117.
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- TEST DRILLING ON THE MESABI IRON RANGE.** By K. Thomas. E. & M. J., vol. 75, p. 896, 6 columns, I.; and p. 966, 3½ columns, I.
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Churn Drills and Drilling

- A B C OF STEAM PERCUSSION DRILL PRACTICE.** By J. P. Hutchins. E. & M. J., vol. 84, p. 1111, 12 columns, I.; p. 1151, 15 columns, I.; and p. 1197, 15½ columns, I.
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- WELL-BORING BY STEAM WITH A SPRING-POLE.** By B. S. Layman. E. & M. J., vol. 41, p. 131. 3 columns. I.
- COMPARISON OF TWO SYSTEMS OF ROCK DRILLING.** E. & M. J., vol. 42, p. 294. $\frac{1}{2}$ column.
- RUNNING SAND IN BORINGS.** E. & M. J., vol. 64, p. 610. $\frac{1}{2}$ column.
- BORING IN JAPAN.** By F. J. Norman. T. I. M. E., vol. 23, p. 685. 14 pages. I.

Diamond and Rotary Drills

- DIAMOND DRILLING, ROSSLAND, BRITISH COLUMBIA, ALSO AT BUTTE, MONTANA.** M. & M., vol. 21, p. 363. $\frac{3}{4}$ column.
- RATE OF DRILLING WITH DIAMOND DRILL.** M. & M., vol. 20, p. 244. $\frac{1}{2}$ column.
- THE DIAMOND DRILL AND ITS WORK.** E. & M. J., vol. 15, p. 65. 2 columns. I.
- DIAMOND DRILL WORK AND COSTS IN THE MESABI IRON RANGE.** E. & M. J., vol. 75, p. 896-7. I.
- ROCK-BORING MACHINERY (Diamond).** E. & M. J., vol. 16, p. 204, 2 columns; and p. 211, 2 columns.
- ROCK-BORING MACHINES IN EUROPE.** E. & M. J., vol. 16, p. 243. $\frac{3}{4}$ column.
- DIAMOND POINTED ROCK DRILL.** Am. Jour. Min., vol. 7, p. 65. 2 $\frac{1}{2}$ columns. I.
- ANNULAR DIAMOND-POINTED ROCK DRILLS.** Am. Jour. Min., vol. 7, p. 193. 4 columns. I.

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- WEAR OF DIAMONDS IN DRILLING.** E. & M. J., vol. 78, p. 580. Note.
- THE DIAMOND DRILL.** Second Geol. Survey Pa. A.C., p. 41. 2 pages.
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- A RECENT BORING AT CHESTERFIELD WITH THE DIAMOND DRILL.** By G. E. Coke. T. F. I. M. E., vol. 1, p. 17, 8 pages, and p. 179, Discussion, 4 pages.
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- BORING.** By T. C. Futers. Mech. Eng. Coll., vol. 1, chap. 1, p. 1. 28 pages. I.
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- A DIAMOND HAND-BORING MACHINE.** By J. B. Thompson. T. I. M. E., vol. 32, p. 107. 6 pages. I.
- NOTES ON DIAMOND DRILLING.** By J. C. Taylor. J. M. Soc. N. S., vol. 9, p. 72. 22 pages.
- DIAMOND BORING.** P. C. M., vol. 1, p. 113. 6 pages. I.
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- METHODS AND COSTS OF MAKING DIAMOND DRILL AND WASH BORINGS NEAR NEW YORK CITY.** By F. Lavis. Eng.-Contr., vol. 27, p. 17. 1½ columns.
- DIAMOND DRILLING BY CONTRACT.** Diamond Drilling, by G. A. Denny, chap. 10.
- DIAMOND DRILLING: Percentage Loss of Core; Recovery of Lost Carbons; Size of Bore Hole According to Depth and Deflection of Boreholes.** Diamond Drilling by G. A. Denny. pp. 73, 74 and 76.
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- METHOD OF PREVENTING LOSS OF FLOW OF WATER IN DIAMOND DRILLING.** *E. & M. J.*, vol. 82, p. 19. Note.
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- NOTES ON DIAMOND DRILLING IN THE BOUNDARY DISTRICT, BRITISH COLUMBIA.** By F. Keffer. *E. & M. J.*, vol. 82, p. 771, 2 columns; and *M. & M.*, vol. 27, p. 177.
- DIAMOND DRILLING IN WEST AFRICA.** By J. N. Justice. *T. I. M. & M.*, vol. 12, p. 301. 38 pages. I.
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- SETTING DIAMOND DRILL BITS.** *E. & M. J.*, vol. 68, p. 67. $1\frac{1}{2}$ columns. I.
- PERCENTAGE LOSS OF CORE.** *T. I. M. & M.*, vol. 12, p. 307. Table.
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- THE DIAMOND DRILL FOR DEEP BORING COMPARED WITH OTHER SYSTEMS OF BORING.** By O. J. Heinrich. *T. A. I. M. E.*, vol. 2, p. 241; and vol. 3, p. 183.
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- FEEDING MECHANISM FOR DIAMOND DRILLS.** *M. & M.*, vol. 20, p. 241. 4 columns.
- DIAMOND DRILL WITH CORE-BARREL: A New Arrangement of Same, M. & M.** vol. 27, p. 139. $\frac{1}{2}$ column. I.
- DIAMOND DRILLING UNDER DIFFICULTY.** By S. C. Thomson. *E. & M. J.*, vol. 79, p. 848. $2\frac{1}{2}$ columns.
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- "BORT" DIAMONDS MAY ENTER DUTY FREE.** *E. & M., J.* vol. 83, p. 807. Note.
- THE SELECTION OF CARBON FOR DIAMOND DRILL BITS.** *E. & M. J.*, vol. 84, p. 695. $\frac{1}{2}$ column. I.
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Surveying Bore Holes

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- THE ST. LOUIS SILVER CONVENTION. E. & M. J., vol. 48, pp. 356, 359. 2½ columns.
- THE APPRECIATION OF GOLD. E. & M. J., vol. 55, p. 506. 1½ columns.
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- VALENTINE'S STATISTICS OF GOLD AND SILVER PRODUCTION IN 1889. E. & M. J., vol. 49, p. 87. ½ column.
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- THE FREE COINAGE QUESTION. E. & M. J., vol. 52, p. 41. 6½ columns.
- FOUNDATIONS OF THE FREE-COINAGE ARGUMENTS. E. & M. J., vol. 52, pp. 66, 67, 1½ columns; p. 76, 1½ columns; pp. 158, 160, 1½ columns; p. 166, 1½ columns.
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- GOVERNMENT SALES OF MEXICAN SILVER. E. & M. J., vol. 79, p. 1083. ½ column.
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DUMPING DEVICES

Dumps, Cradles, Tipples, etc.

- DUMPING DEVICES.** By W. R. Crane. E. & M. J., vol. 79, p. 702. 8½ columns. I.
- CRADLE-TIP OR DUMPING CARS.** 2d Geol. Survey Pa. A.C., p. 456. I.
- SELF-ACTING TIPPLES (Dumps), ASHLAND MINE, MICHIGAN.** T. L. S. M. I., vol. 9, p. 27.
- AUTOMATIC DUMPING-CRADLES FOR MINE CARS.** By H. S. Munroe. T. A. I. M. E., vol. 17, p. 564. I.
- CAR CRADLE DUMP.** M. & M., vol. 22, p. 217. I.
- JEFFREY STEAM DUMP (Car).** M. & M., vol. 20, p. 478. ½ column. I.
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- CAR FOR HANDLING ROCK AT MINES.** By L. L. Logan. M. & M., vol. 24, p. 133. 2 columns. I.
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- MODERN COAL-TIPPERS.** By J. J. Prest. T. F. I. M. E., vol. 9, p. 231. 8 pages. I.
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EXPLOSIVES FOR MINING PURPOSES

Development of Explosives

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Manufacture of Explosives

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- PETROLEUM AS AN EXPLOSIVE.** By P. T. Austen. E. & M. J., vol. 46, p. 345. 1 column.

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- THEORIES OF THE FORMATION OF MINERAL VEINS.** By F. Sandberger. E. & M. J., vol. 37, p. 196, 4½ columns; p. 218, 2½ columns; p. 232, 2½ columns.
- ACID MAGMAS, THEIR EXHALATIONS AND RESIDUES.** E. & M. J., vol. 77, p. 351. ½ column.
- THE DEPOSITION OF ORES FROM IGNEOUS MAGMAS.** E. & M. J., vol. 77, p. 756. 1½ columns.

- ORES FROM IGNEOUS MAGMAS.** E. & M. J., vol. 77, p. 675. 1 column.
- THE DEPOSITION OF ORES FROM IGNEOUS MAGMAS.** E. & M. J., vol. 77, p. 472. 5 columns. I.
- THEORIES OF ORE DEPOSITION HISTORICALLY CONSIDERED.** By S. F. Emmons. E. & M. J., vol. 77, p. 117, 5½ columns; p. 157, 7 columns; p. 199, 4½ columns; p. 237, 5 columns.
- THE PRECIPITATION OF METALLIC SULPHIDES BY NATURAL GAS.** By J. F. Kemp. E. & M. J., vol. 50, p. 689. 1½ columns.
- THE SLAYBACK LODGE: A Peculiar Kind of Fissure Vein.** By C. H. Henrich. E. & M. J., vol. 48, p. 27. 1½ columns. I.
- ALLOYAGE AND IGNEOUS CEMENTATION.** By A. D. Elbers. E. & M. J., vol. 48, p. 429. 2 columns.
- REPLACEMENT OF QUARTZ BY PYRITE.** E. & M. J., vol. 79, p. 1045. ½ column.
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- CROSS-VEIN ORE-SHOOTS AND FRACTURES.** By W. H. Weed. E. & M. J., vol. 76, p. 193. 1½ columns. I.
- ORIGIN OF GOLD IN CERTAIN VICTORIAN QUARTZ REEFS.** E. & M. J., vol. 36, p. 367. 1 column.
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- MATTE SMELTING AND MAGMATIC SEGREGATION OF ORES.** E. & M. J., vol. 76, p. 342. 2 columns.
- AN EXAMPLE OF THE LOCALIZATION OF RICH ORES.** By T. A. Rickard. E. & M. J., vol. 74, p. 847. 6 columns. I.
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- A MINERALIZED DYKE.** By R. G. Brown. Sch. Mines Quart., vol. 19, p. 90. 2 pages. I.
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- ABSORPTION OF METALS BY SILICA AND CLAYS IN RELATION TO ORE DEPOSITION.** By J. Park. E. & M. J., vol. 79, p. 1242. 1 column.
- THE SUPERFICIAL ALTERATION OF ORE DEPOSITS.** By A. F. Penrose, Jr. E. & M. J., vol. 59, p. 341. 2 columns.
- METASOMATIC REPLACEMENT.** By J. Park. E. & M. J., vol. 79, p. 799. 2½ columns.
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- THE CALICHE OF SOUTHERN ARIZONA: An Example of Deposition by the Vadose Circulation.** By W. P. Blake. T. A. I. M. E., vol. 31, p. 220.

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- NOTE ON CERTAIN MAGNETIC PHENOMENA IN GOLD-BEARING STATES. By C. A. Mesger. T. A. I. M. E., vol. 24, p. 40.

- NOTES ON SOME SPECIAL FEATURES IN LODE FORMATION AND DEPOSITION OF GOLD, AS PRESENTED IN THE WAVERLEY GOLD DISTRICT, HALIFAX COUNTY, NOVA SCOTIA.** By B. C. Wilson. *J. M. Soc. N. S.*, vol. 2, pt. 1, p. 32. 14 pages.
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- NATIVE GOLD ORIGINAL IN METAMORPHIC GNEISSES.** By J. E. Spurr. *E. & M. J.*, vol. 77, p. 198. $1\frac{1}{2}$ columns.
- ORIGINAL NATIVE GOLD IN IGNEOUS ROCKS.** By W. H. Weed. *E. & M. J.*, vol. 77, p. 440, $3\frac{1}{2}$ columns; p. 522, $2\frac{1}{2}$ columns.
- GOLD DEPOSITION BY DRAINAGE.** By T. Bradford. *E. & M. J.*, vol. 78, p. 554. $3\frac{1}{2}$ columns. I.
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- A REMARKABLE SILVER "PIPE."** *E. & M. J.*, vol. 76, p. 805. 1 column.
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- THE FORMATION OF BONANZAS IN THE UPPER PORTIONS OF GOLD VEINS.** By T. A. Rickard. *T. A. I. M. E.*, vol. 31, p. 198.

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- NOTE ON A CURIOUS COPPER DEPOSIT. By J. A. W. Murdoch. T. I. M. & M., vol. 9, p. 300. $6\frac{1}{2}$ pages. I.
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- GOLD-BEARING REEFS AND PLACERS OF NORTHERN BRITISH COLUMBIA.** By W. H. Merritt. T. F. C. M. I., vol. 3, p. 103. 9 pages. I.
- AN OCCURRENCE OF FREE-MILLING GOLD VEINS IN BRITISH COLUMBIA.** By W. H. Merritt. J. C. M. I., vol. 2, p. 143. 9 pages.
- NOTES ON THE GOLD-BEARING LODES OF CATOOSH CREEK, BRITISH COLUMBIA.** By G. F. Monckton. T. F. C. M. I., vol. 2, p. 1. 4 pages.
- NOTES ON ATLIN GOLD FIELDS.** By J. C. Gwillim. J. C. M. I., vol. 3, p. 97. 5 pages.
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- THE SILVER-LEAD DEPOSITS OF THE SLOCAN, BRITISH COLUMBIA.** By J. D. Kendall. T. I. M. & M., vol. 7, p. 273. 46 pages. I.
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- THE SNOWSHOE MINE, BOUNDARY DISTRICT, BRITISH COLUMBIA. By E. Jacobs. E. & M. J., vol. 72, p. 661. 4 columns. I.
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- CAMP MCKINNEY, BRITISH COLUMBIA. By W. M. Brewer. E. & M. J., vol. 72, p. 784. 3 columns. I.
- VANCOUVER ISLAND MINES AND PROSPECTS. By W. M. Brewer. E. & M. J., vol. 72, p. 846. 8 columns. I.
- THE BRITISH COLUMBIA MINE, SUMMIT CAMP, BOUNDARY DISTRICT. By S. F. Parrish. E. & M. J., vol. 72, p. 92. 2 columns. I.
- THE BRIDGE RIVER GOLD MINING CAMP. By F. Cirkel. J. C. M. I., vol. 3, p. 21. 9 pages. I.
- MINING DISTRICTS NEAR KAMLOOPS LAKE, BRITISH COLUMBIA. By G. F. Monckton. T. I. M. E., vol. 18, p. 293. 18 pages. I.
- GOLD-MINING IN THE ROSSLAND DISTRICT, BRITISH COLUMBIA. By J. J. Sandeman. T. I. M. E., vol. 20, p. 401. 4 pages.
- MOUNT SICKER MINING DISTRICT, BRITISH COLUMBIA. By W. M. Brewer. Min. & Sci. Press, vol. 87, p. 7. 4 columns.
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- COBALT, CANADA. By D'Arcy Weatherbe. Min. & Sci. Press, vol. 92, p. 161. 5 columns. I.
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- THE NIPISSING MINE, COBALT, ONTARIO.** By H. C. George. E. & M. J., vol. 82, p. 967. 4 columns. I.
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- COBALT, CANADA.** M. & M., vol. 27, p. 456, 7 columns; and p. 488, 7 columns. I.
- A SILVER VEIN UNDER CLEAR LAKE, COBALT.** By J. J. Bell. E. & M. J., vol. 82, p. 823. 1 column.
- THE COBALT MINING DISTRICT.** By W. M. Courtis. E. & M. J., vol. 82, p. 5. 6 columns. I.
- THE COBALT DISTRICT, CANADA.** E. & M. J., vol. 82, p. 1181. 3 columns.
- THE NIPISSING AND FOSTER: Cobalt Mines.** By R. Meeks. E. & M. J., vol. 83, p. 274. 8 columns. I.
- THE MINES OF COBALT.** By R. Meeks. E. & M. J., vol. 83, p. 138, 11 columns, I.; and p. 186, 8 columns, I.
- THE MINES AT COBALT, CANADA.** By R. Meeks. E. & M. J., vol. 83, p. 96. 7 columns. I.
- THE BONANZA SILVER MINES OF COBALT, ONTARIO.** By W. S. Hutchinson. E. & M. J., vol. 83, p. 793. 4 columns. I.
- THE SILVER ISLET MINE AND ITS PRESENT DEVELOPMENT.** By F. A. Lowe. E. & M. J., vol. 34, p. 320. 4½ columns.
- THE SILVER ISLET VEIN, LAKE SUPERIOR.** By W. McDermott. E. & M. J., vol. 23, p. 54, 1½ columns; and p. 70, 1½ columns.
- A WHOLE ISLAND OF SILVER ON THE NORTH SHORE OF LAKE SUPERIOR (Silver Islet).** E. & M. J., vol. 11, p. 4. ½ column.
- THE SILVER MINES OF THUNDER BAY, LAKE SUPERIOR.** By R. Bell. E. & M. J., vol. 43, p. 23, 1 column; p. 42, 1 column; and p. 345, 1½ columns.
- THE SILVER MINES OF THUNDER BAY.** By P. McKellar. E. & M. J., vol. 59, p. 391. 1½ columns.
- SILVER ISLET.** By T. Macfarlane. T. A. I. M. E., vol. 8, p. 226.
- THE RAINY LAKE GOLD DISTRICT.** E. & M. J., vol. 58, p. 581. 1 column.
- THE GEOLOGY AND CHARACTER OF THE RAINY LAKE GOLD DISTRICT, CANADA.** By W. W. Taylor. E. & M. J., vol. 58, p. 509. ½ column.
- THE GOLD-FIELDS OF THE RAINY RIVER DISTRICT.** By H. V. Winchell. E. & M. J., vol. 64, p. 485. 3½ columns. I.
- THE OCCURRENCE OF GOLD-ORES IN THE RAINY RIVER DISTRICT, ONTARIO, CANADA.** By W. H. Merritt. T. A. I. M. E., vol. 26, p. 853.
- BLACK EAGLE MINE, LAKE OF THE WOODS, ONTARIO, CANADA.** E. & M. J., vol. 74, p. 448. 2 columns. I.
- THE LAKE OF THE WOODS GOLD-FIELD.** By T. A. Rickard. E. & M. J., July 3, 1897, p. 5. 5½ columns. I.
- THE LAKE OF THE WOODS DISTRICT, ONTARIO.** E. & M. J., vol. 74, p. 646. 1½ columns. I.
- NOTES ON THE LAKE OF THE WOODS DISTRICT.** By F. H. Probert. T. I. M. & M., vol. 8, p. 332.
- LAKE-OF-THE-WOODS, ONTARIO, GOLD DISTRICT.** By W. Douglas. E. & M. J., vol. 59, p. 152. 1 column.
- THE GOLD-BEARING VEINS OF BAG BAY, NEAR LAKE OF THE WOODS.** By Peter McKellar. T. A. I. M. E., vol. 29, p. 104.
- NOTES ON GOLD MINING IN HASTINGS COUNTY, ONTARIO, CANADA.** By J. T. Donald. E. & M. J., vol. 66, p. 668. 1 column.
- THE KLONDIKE GOLD-FIELDS.** By H. Bratnober. E. & M. J., vol. 64, p. 484. 1½ columns.
- THE BED-ROCK OF THE GILBERT RIVER GOLD-FIELDS, QUEBEC.** By J. A. Dresser. J. C. M. I., vol. 8, p. 259. 8 pages. I.
- THE MONTREAL RIVER SILVER DISTRICT.** By R. Meeks. E. & M. J., vol. 84, p. 544. 12 columns. I.

- NEW SILVER DISTRICT IN THE TEMAGAMI RESERVE, CANADA.** By L. H. Mattair. E. & M. J., vol. 83, p. 1144. 2½ columns. I.
- TIMISKAMING, CANADA.** By S. Dillon-Mills. E. & M. J., vol. 79, p. 996. 4 columns. I.
- TIMISKAMING, ONTARIO.** By F. Hewett. E. & M. J., vol. 80, p. 447. 4 columns. I.
- THE EASTERN ONTARIO GOLD BELT.** By W. G. Miller. E. & M. J., vol. 74, p. 850. 1½ columns.
- NOVA SCOTIA GOLD MINES.** By G. W. Stuart. E. & M. J., vol. 67, p. 292. 1 column.
- ON THE GOLD MEASURES OF NOVA SCOTIA AND DEEP MINING.** By E. R. Faribault. The Can. Min. Rev., Mar. 31, 1899, pp. 78-96. 18 pages. I.
- THE KLONDIKE GOLD-FIELDS.** By J. Meikeljohn. T. I. M. E., vol. 19, p. 352. 12 pages. I.
- NOTES ON THE GOLD ORES OF WESTERN ONTARIO.** By C. Brent. J. C. M. I., vol. 6, p. 327. 9 pages.
- GOLD MINING IN THE YUKON DISTRICT.** By W. M. Ogivie. T. F. C. M. I., vol. 263. 10 pages.
- NOTES ON THE WESTERN ONTARIO GOLD FIELDS.** T. F. C. M. I., vol. 2, p. 278. 5 pages.
- THE GOLD DEPOSITS OF THE EASTERN TOWNSHIPS.** By R. W. Ellis. T. F. C. M. I., vol. 1, p. 109. 18 pages.
- THE GOLD-BEARING DEPOSITS OF THE EASTERN TOWNSHIPS OF QUEBEC.** By R. Chalmers. T. F. C. M. I., vol. 2, p. 13. 29 pages.
- THE MISPICKEL GOLD ORES OF DELORO, ONTARIO.** By J. W. Wells. T. F. C. M. I., vol. 2, p. 127. 7 pages.
- CANADIAN GOLD: An Account of the Occurrence of Gold in the Rainy River District and the Province of Quebec.** M. & M., vol. 18, p. 541. 1½ columns. I.
- WORK IN THE GOLD-FIELDS OF ONTARIO, CANADA.** E. & M. J., vol. 60, p. 445. 1 column.
- THE BED-ROCK OF THE GILBERT RIVER GOLD FIELDS, QUEBEC.** E. & M. J., Mar. 23, 1905, p. 556. 2 columns.
- THE GOLD-BEARING MISPICKEL VEINS OF MARMORA, ONTARIO, CANADA.** By R. P. Rothwell. T. A. I. M. E., vol. 9, p. 409.
- THE WESTERN ONTARIO GOLD FIELDS AND THEIR GENESIS.** By F. Hille. T. F. C. M. I., vol. 2, p. 78. 15 pages. I.
- WEST KOOTENAY ORE BODIES.** By R. W. Brock. J. C. M. I., vol. 2, p. 72, 15 pages, I.; and vol. 3, p. 141, 2 pages.
- DESCRIPTION OF THE SULTANA QUARTZ LODGE, AND THE SINKING OF THE BURLEY SHAFT IN BALD INDIAN BAY, LAKE OF THE WOODS.** By J. Burley. J. C. M. I., vol. 2, p. 87. 9 pages. I.
- SOME WEST KOOTENAY ORE BODIES.** By J. C. Gwillim. T. F. C. M. I., vol. 3, p. 21. 8 pages.
- NOTES ON SOME DEPOSITS IN THE EASTERN ONTARIO GOLD BELT.** By C. W. Knight. J. C. M. I., vol. 7, p. 210. 33 pages. I.
- NOTE ON WINDY ARM SILVER-BEARING VEINS.** By R. G. McConnell. J. C. M. I., vol. 9, p. 49. 5 pages.
- CHARACTERISTIC FEATURES OF VEINS IN GRANITE IN CALIFORNIA.** Min. & Sci. Press, vol. 78, p. 428. 3 columns.
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- THE BURNS GOLD MINE, NORTH CAROLINA. By H. M. Chance. E. & M. J., vol. 61, p. 132. $\frac{1}{4}$ column.
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- AN OUTLINE OF THE GOLD FIELDS IN COLOMBIA, SOUTH AMERICA. By F. C. Nicholas. E. & M. J., vol. 65, p. 520. $2\frac{1}{2}$ columns.
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- THE GOLD FIELDS OF THE PORCE RIVER, COLOMBIA. Min. & Sci. Press, vol. 74, p. 257. $3\frac{1}{2}$ columns.
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- NOTES ON THE GOLD DISTRICT OF CANUTILLO, CHILE, SOUTH AMERICA. By S. H. Loram. T. A. I. M. E., vol. 35, p. 696. 14 pages. I.
- GOLD MINING AT WEI-HAI-WEI, CHINA. By W. D. Verschoyle. E. & M. J., vol. 82, p. 919. $8\frac{1}{2}$ columns. I.
- THE GOLD DEPOSITS OF MANCHURIA. E. & M. J., vol. 64, p. 455. $2\frac{1}{2}$ columns. I.
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- THE CRETACEOUS AURIFEROUS CONGLOMERATE OF THE COTTONWOOD MINING DISTRICT, SISKIYOU COUNTY, CALIFORNIA.** By H. W. Turner. E. & M. J., vol. 76, p. 653. 6 columns. Map.
- THE GREAT NORTHERN GOLD FIELD.** By A. B. Paul. Min. & Sci. Press, vol. 74, p. 367. 1½ columns. I.
- CALIFORNIA ORE DEPOSITS.** Min. & Sci. Press, vol. 73, p. 258. 1½ columns.
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- THE GOLER GOLD DIGGINGS, MOJAVE, CALIFORNIA.** By F. L. Nason. E. & M. J., vol. 59, p. 223. 1 column.
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- THE RANDSBURG MINING DISTRICT, CALIFORNIA.** By F. M. Endlich. E. & M. J., vol. 63, p. 209. 1½ columns.
- ANGELS' CAMP, CALIFORNIA, AND VICINITY.** By H. L. Tyler. E. & M. J., vol. 62, p. 100. 2 columns. I.
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- ANGELS' CAMP, CALAVERAS COUNTY, CALIFORNIA.** E. & M. J., vol. 42, p. 201. ¾ column.
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- A SOUTHERN GOLD MINE: King's Mountain, North Carolina.** E. & M. J., vol. 54, p. 34. 1½ columns. I.
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- MINING IN EASTERN NORTH CAROLINA.** E. & M. J., vol. 77, p. 167. 2 columns.

- THE BURNS GOLD MINE, NORTH CAROLINA. By H. M. Chance. E. & M. J., vol. 61, p. 132. $\frac{1}{2}$ column.
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- THE WHALE LODGE OF PARK COUNTY, COLORADO TERRITORY.** By J. L. Jernegan. T. A. I. M. E., vol. 3, p. 352.
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- SILVER CLIFF DISTRICT: Some Peculiar Formations and Remarkable Silver Mines in the State of Colorado.** By

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- NOTES ON THE REPUBLIC DISTRICT, WASHINGTON, WITH SPECIAL REFERENCE TO THE METALLURGY OF ITS ORES.** By J. C. Ralston. E. & M. J., vol. 74, p. 74. 9½ columns. I.
- THE REPUBLIC DISTRICT, WASHINGTON.** Min. & Sci. Press, vol. 79, p. 312. 1½ columns.
- THE MOUNTAIN LION MINE, REPUBLIC, WASHINGTON.** By M. H. Joseph. E. & M. J., vol. 69, p. 285. 3 columns. I.

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- A NEW COPPER DISTRICT IN MEXICO.** By E. du B. Lukis. E. & M. J., vol. 65, p. 279. 3 columns. I.
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- LA CANANEA MINING CAMP.** By D. E. Woodbridge. E. & M. J., vol. 82, p. 623. 14 columns. I.
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HANDLING AND STORAGE OF MINERAL

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- UNLOADING VESSELS BY MEANS OF SPECIALLY CONSTRUCTED SELF-EMPTYING BOATS AND BARGES.** The Mechanical Handling of Material, p. 272. 6 pages. I.
- METHOD OF LOADING VESSELS BY CARS ON INCLINED PLANES, WITHOUT BREAKAGE OF COAL.** E. & M. J., vol. 19, p. 16.
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- LOADING IRON ORE ON LAKE SUPERIOR. E. & M. J., vol. 76, p. 394. 3½ columns. I.
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HAULAGE IN MINES

Tractive Force in Haulage

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Compressed Air Haulage

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Mine Roads, Tracks

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- RUSSELL AND PARSON'S AUTOMATIC DUMPING CAGE.** Coll. Engr., vol. 13, p. 164. 1 column. I.
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- CAGES IN FRENCH COLLIERY.** E. & M. J., vol. 78, p. 178. $\frac{1}{2}$ column. I.

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- AN IMPROVED HOISTING BARNEY.** By P. Hartman. M. & M., vol. 19, p. 323. $\frac{1}{2}$ column. I.
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- AN ENGLISH VIEW OF SOME AMERICAN GOLD MINES.** By J. H. Curle. E. & M. J., vol. 75, p. 82, $1\frac{1}{2}$ columns; p. 149, $2\frac{3}{4}$ columns. I.
- AMERICAN GOLD MINES.** By J. H. Curle. E. & M. J., vol. 76, p. 384. $1\frac{1}{2}$ columns.
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- MAP SHOWING THE KEWEENAW COPPER RANGE. T. L. S. M. I., vol. 12 (end of vol.). I.
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- THE TAVENER PROCESS.** By L. A. E. Swinney. T. I. M. & M., vol. 16, p. 115. 22 pages. I.
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- SMELTING AT KANSAS CITY. E. & M. J., vol. 82, p. 881. 1½ columns.
- THE WASHOE SMELTER. Min. & Sci. Press, vol. 94, p. 467. 6 columns. I. D.
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- PARTING AN ASSAY. M. & M., Aug., 1901, p. 45.
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- CUPELLATION AND PARTING. By H. R. Edmands. E. & M. J., vol. 80, p. 245. 3½ columns. I.
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- THE ASSAY OF NICKEL AND COBALT ORES.** Min. & Sci. Press, vol. 49, p. 277, 1 column; p. 284, $\frac{1}{2}$ column.

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- ASSAY OF ZINC.** By E. W. Buskett. M. & M., vol. 28, p. 183. 2 columns.
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- NEW QUICKSILVER ASSAY.** Min. & Sci. Press, vol. 25, p. 81, $\frac{1}{2}$ column; p. 268, $\frac{3}{4}$ column.
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- ASSAYING MERCURY.** Engineering, London, vol. 66, p. 735. $2\frac{1}{2}$ columns. I.
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- ASSAY OF IRON.** By E. W. Buskett. M. & M., vol. 28, p. 244. $1\frac{1}{2}$ columns.
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- ASSAY OF THE PLATINUM METALS.** E. & M. J., vol. 80, p. 1017. $2\frac{1}{2}$ columns.
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- DRYING AND ROASTING MACHINERY.** Machinery for Metalliferous Mines, pp. 422-438.
- STETEFELDT'S SHELF DRY-KILN FOR DRYING ORES.** Min. & Sci. Press, vol. 47, p. 209, $3\frac{1}{2}$ columns, I.; p. 217, I.
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- THE SHELF DRY-KILN.** By C. A. Stetefeldt. T. A. I. M. E., vol. 12, p. 95.
- STEAM HEATED ORE-DRYER.** Min. & Sci. Press, vol. 74, p. 257. I.
- WILFLEY ROASTING PROCESS.** By J. M. McClave. M. & M., vol. 28, p. 407. 2 columns. I.
- THE POT-ROASTING OF ORE.** By L. S. Austin. Min. & Sci. Press, vol. 93, p. 511. 2 columns. I.

- SULPHURET ROASTING FURNACE. Min. & Sci. Press, vol. 52, p. 37. $\frac{3}{4}$ column. I.
- THE GRITTINGER ORE ROASTER. Min. & Sci. Press, vol. 52, p. 97. $1\frac{1}{2}$ columns. I.
- FURNACE FOR ROASTING BULLION. Min. & Sci. Press, vol. 53, p. 33. $\frac{3}{4}$ column. I.
- ARENT'S ROTARY ROASTING FURNACE. Min. & Sci. Press, vol. 54, p. 93. $\frac{3}{4}$ column. I.
- CLAY LANE FURNACE. Min. & Sci. Press, vol. 55, p. 21. 1 column. I.
- AN OPEN HEARTH FURNACE PLANT. Min. & Sci. Press, vol. 58, p. 433. 4 columns. I.
- ORE ROASTING FURNACES. Min. & Sci. Press, vol. 44, p. 273. 2 columns. I.
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- ROASTING FURNACE. Min. & Sci. Press, vol. 43, p. 261. $1\frac{1}{2}$ columns. I.
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- THE O'HARRA CHLORIDIZING FURNACE. Min. & Sci. Press, vol. 32, p. 305. $1\frac{1}{2}$ columns. I.
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- WILLARD'S DESULPHURIZING FURNACE. Min. & Sci. Press, vol. 37, p. 145. $1\frac{1}{2}$ columns. I.
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See **METALLURGY OF VARIOUS METALS** for further information on Roasting.

Pyrritic Smelting

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Metallurgy of Zinc

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Miscellaneous Information

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Electro-Metallurgy

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METALS

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Mineral Determination and Classification

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- SOME ONTARIO MAGNETITES.** By R. W. Raymond. *T. A. I. M. E.*, vol. 19, p. 28; vol. 20, p. 172.
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For further information on Nickel see OCCURRENCE OF NICKEL.

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- DE BEERS CONSOLIDATED MINES. Diamond Mines of South Africa, pp. 315, 316, 322.
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- BORT: Character, when Found, Uses, etc. E. & M. J., vol. 77, p. 594. 1 column.
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- DIAMONDS, WHERE THEY OCCUR AND HOW TO SEARCH FOR THEM. By M. Attwood. E. & M. J., vol. 62, p. 152. 1 column.
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Gems and Precious Stones

GEMS AND PRECIOUS STONES. Min. & Sci. Press, vol. 32, p. 137, 2 columns; p. 153, $1\frac{1}{2}$ columns; p. 172, 1 column; p. 188, $\frac{1}{2}$ column; p. 201, $1\frac{1}{2}$ columns; p. 217, $1\frac{1}{2}$ columns; p. 249, 2 columns; p. 265, $1\frac{1}{2}$ columns, I.; p. 280, 1 column; pp. 296, 316, 329, 337, 360, 376, 392; vol. 33, pp. 36, 52, 74, 96, 106, 145, 158, 176, 196, 208, 223, 233, 256, 272, 340.

PRECIOUS STONES: Pacific Coast. By D. Maguire. M. & M., vol. 20, p. 255. $3\frac{1}{2}$ columns.

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HOW TO IDENTIFY PRECIOUS STONES. By L. Claremont. E. & M. J., vol. 66, p. 606. $1\frac{1}{2}$ columns.

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Electricity for Mine Lighting

ELECTRICITY AS APPLIED TO COLLIERIES; WITH SPECIAL REFERENCE TO THE COMPARATIVE COST OF OTHER ILLUMINANTS. By T. M. Winstanley-Wallis. T. N. S. I. M. & M. E., vol. 10, p. 28. 13 pages.

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- HISTORY OF PROGRESS IN MINING:** Presidential Address. T. L. S. M. I., vol. 2, p. 11. 11 pages.
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- TYPICAL EXAMPLES OF DEEP LEVEL SHAFTS ON THE RAND.** T. I. M. & M., vol. 15, p. 336. I.
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- SLOPE MINING IN THE ANTHRACITE FIELDS.** The Anth. Coal Industry. By Peter Roberts. p. 22. 2 pages. I.
- ADVANTAGES OF SLOPES OVER SHAFTS.** Coll. Engr., vol. 13, p. 56, $\frac{1}{2}$ column; p. 128, 1 column.
- SLOPES, PLANES, AND INSIDE SLOPES.** By H. M. Chance. 2d Geol. Survey Pa., A. C., p. 193. 9 pages. I.
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- USE OF EXPLORATORY HOLES IN DRIFTING (Feelers).** T. L. S. M. I., vol. 11, p. 144. $\frac{1}{2}$ page. I.
- LEVELS AND WINZES ON THE RAND.** Gold Mines of the Rand, p. 121. 2 pages. I.
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- THE DRIVING OF A STONE-DRIFT AT THE WEST WYLLAM COLLIERIES. By S. Bates. T. I. M. E., vol. 18, p. 120. 7 pages.
- GOB-ENTRY vs. NARROW ENTRY: The Methods of Working at the Thomas Mines, Whitwell, Tennessee. By J. Cain. M. & M., vol. 19, p. 57. 5½ columns. I.
- LENGTHS OF ENTRIES AND THE WIDTHS OF ROOMS AND PILLARS. M. & M., vol. 19, p. 524. 1½ columns. I.
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- STANLEY'S COAL HEADING MACHINE: Machine Drifting. T. F. I. M. E., vol. 1, plate II.
- Shaft-Sinking: Processes, Applications, Rate of Sinking, etc.**
- THE FREEZING PROCESS. P. C. M., vol. 2, p. 219. 12 pages. I.
- EXCAVATING FOR FOUNDATIONS BY THE FREEZING PROCESS. J. W. Soc. E., vol. 1, p. 443. 6 pages. I.
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- CARE OF THE PLANT IN SINKING BY REFRIGERATION. E. & M. J., vol. 84, p. 777. 6½ columns.
- MECHANICAL PRODUCTION OF LOW TEMPERATURES (for Cooling Deep Workings and Shaft Sinking). By S. F. Walker. E. & M. J., vol. 83, p. 1184. 10 columns. I.
- GOEBHARDT AND KOENIG FREEZING PROCESS. M. & M., vol. 26, p. 467. 2½ columns. I.
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- HARRIS METHOD OF SOLIDIFYING QUICKSAND.** E. & M. J., vol. 54, p. 272. 1½ columns. I.
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- THE CALUMET AND HECLA MINES AND PLANT.** E. & M. J., vol. 38, p. 17. 6½ columns.
- THE ORE KNOB COPPER MINE AND SOME RELATED DEPOSITS.** By T. S. Hunt. T. A. I. M. E., vol. 2, p. 123.
- STATISTICS OF LAKE SUPERIOR COPPER MINES.** T. L. S. M. I., vol. 12, p. 24. Table.

- COPPER MINING HERE AND ELSEWHERE. E. & M. J., vol. 13, p. 123. 1½ columns.
- MINING AND TREATMENT OF COPPER ORES AT THARSIS, SPAIN. By C. F. Courtney. P. I. C. E., vol. 125, pp. 126-144.
- COPPER MINING IN WEST AUSTRALIA. By W. Burrell. M. & M., Mar., 1904, p. 376. 1½ columns.
- MASS (Copper) MINING IN THE LAKE SUPERIOR DISTRICT. T. A. I. M. E., vol. 6, p. 282.
- METHODS OF MINING IRON ORE IN THE LAKE SUPERIOR REGION. By N. P. Hulst. P. E. Soc. W. Pa., vol. 15, p. 62. 40 pages. I.
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- BROWN HEMATITE ORE MINING (Method). By H. M. Chance. E. & M. J., vol. 40, p. 57. 1½ columns. I.
- METHODS OF WORKING AND SURVEYING THE MINES OF THE LONGDALE IRON COMPANY, VIRGINIA. By G. R. Johnson. T. A. I. M. E., vol. 20, p. 96.
- THE CORNWALL IRON MINE AND SOME RELATED DEPOSITS IN PENNSYLVANIA. By T. S. Hunt. T. A. I. M. E., vol. 4, p. 319.
- METHOD OF MINING PAINT-ORE AT LEHIGH GAP, PENNSYLVANIA. T. A. I. M. E., vol. 19, pp. 324, 326.
- THE DEVELOPMENT OF THE LAKE SUPERIOR IRON-ORES. By D. H. Bacon. T. A. I. M. E., vol. 27, p. 341.
- IRON-ORE MINING IN LAKE SUPERIOR DISTRICT. T. F. I. M. E., vol. 13, p. 521.
- SOFT ORE MINING ON LAKE SUPERIOR. By P. Larsson. T. L. S. M. I., vol. 1, p. 13. 6 pages. I.
- IRON MINING IN THE BIRMINGHAM DISTRICT, ALABAMA. By W. R. Crane. E. & M. J., Feb. 9, 1905, p. 274. 12 columns. I.
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- THE ARRAGON MINE AT NORWAY, MICHIGAN: A Description of the Mine, the Machinery Used, and Manner of Working. By E. S. Dickenson. M. & M., June, 1901, p. 494. 3½ columns.
- SWEDISH IRON ORE MINING. By G. Nordenström. Engineering, London, vol. 66, p. 438, 4½ columns; p. 469, 8½ columns, I.; p. 502, 5½ columns, I.
- THE MINING OF THE SOFTER ORES OF FURNESS. By H. Mellon. T. F. I. M. E., vol. 8, p. 44. 6 pages. I.
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- METHODS OF MINING IN INDIANA COAL FIELDS. By F. W. Parsons. E. & M. J., vol. 83, p. 555. 7 columns. I.
- METHODS OF WORKING THE COAL SEAMS OF OHIO. By F. W. Parsons. E. & M. J., vol. 83, p. 745. 9 columns. I.
- FORMULA FOR MINING THIN SEAMS OF COAL. By M. S. Hachita. E. & M. J., vol. 83, p. 242. 1½ columns.
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- MINING METHODS IN THE WESTERN INTERIOR COAL FIELDS. By W. R. Crane. M. & M., vol. 27, p. 26, 3 columns, I.; p. 91, 6½ columns, I.
- METHOD OF WORKING THE PITTSBURGH SEAM. By J. W. Blower. Coll. Engr., vol. 12, p. 195. 2½ columns. I.

- THE DOUBLE ENTRY SYSTEM.** By J. E. Stout. Coll. Engr., vol. 9, p. 41. $\frac{3}{4}$ column. I.
- METHOD OF MINING AT SOUTH WILKES-BARRE, PENNSYLVANIA, COLLIERY.** Coll. Engr., vol. 78, p. 465. 1 column.
- METHOD OF WORKING RICH COPPER ORES AT RIO TINTO.** E. & M. J., vol. 36, p. 325. $\frac{1}{2}$ column.
- SYSTEMS OF WORKING COAL: Conditions or Factors which Determine the System by which a Given Field Should be Worked.** By J. T. Beard. M. & M., vol. 19, p. 245, $5\frac{1}{2}$ columns, I.; p. 292, $2\frac{1}{2}$ columns, I.
- MODES OF WORKING COAL: Why the Various Natural Conditions Met with Necessitate Different Methods of Treatment.** M. & M., vol. 19, p. 391, $1\frac{1}{2}$ columns. I.
- METHODS OF WORKING THE COAL MINES IN ALAMEDA, CALIFORNIA.** M. & M., vol. 19, pp. 146, 147. 2 columns. I.
- SMALL COAL MINES: How They May be Economically Worked where the Seams are Thin and Shallow and the Field Limited.** By J. T. Beard. M. & M., vol. 19, p. 1. 7 columns. I.
- METHOD OF WORKING IN THE NEWCASTLE COAL MINES, COLORADO.** Coll. Engr. & Met. Miner, vol. 17, pp. 380, 381, 382.
- THE ART OF CORRELATING THE BEST CONDITIONS FOR WORKING COAL.** Coll. Engr. & Met. Miner, vol. 17, p. 416. 4 columns. I.
- ELLANGOWAN COLLIERY, PENNSYLVANIA: Occurrence of Coal, Methods of Mining, etc.** By G. B. Hadesty. Coll. Engr. & Met. Miner, vol. 16, p. 1. 11 columns. I.
- IMPROVEMENTS AND TENDENCIES IN CONTINENTAL COAL MINING.** By G. P. Scholl. Min. Mag., vol. 13, p. 190. 22 columns. I.
- COAL MINING AT MOUNT DIABLO.** By J. O'Callaghan. Min. & Sci. Press, vol. 39, p. 22. $3\frac{1}{2}$ columns.
- RECENT IMPROVEMENTS IN COAL MINING IN ILLINOIS.** By J. J. Rutledge. Min. Mag., vol. 13, p. 183. 12 columns. I.
- ON COAL MINING.** By R. Moffitt. T. N. S. I. M. & M. E., vol. 1, p. 41. 6 pages.
- COAL MINING METHODS: Causes of Different Methods of Working than are Applicable to Metals.** E. & M. J., vol. 80, p. 925. $4\frac{1}{2}$ columns.
- NOTES ON COAL-MINING IN OREGON.** By R. H. Norton. T. A. I. M. E., vol. 19, p. 23.
- METHOD OF MINING COAL IN SAXONY.** E. & M. J., vol. 78, p. 714. $2\frac{1}{2}$ columns. I.
- ALABAMA MINING METHODS.** By J. E. Strong. M. & M., vol. 21, p. 195. $\frac{3}{4}$ column. Map.
- THE WINDBER MINE: A Description of the System of Underground Haulage and Mining Methods as Installed and Used.** By J. S. Cunningham. M. & M., vol. 21, p. 340. 3 columns. I.
- WORKING FLAT AND PITCHING ANTHRACITE SEAMS.** By M. S. Hachita. E. & M. J., vol. 84, p. 24. $11\frac{1}{2}$ columns. I.
- AN OUTLINE OF ANTHRACITE COAL MINING IN SCHUYLKILL COUNTY, PENNSYLVANIA.** By J. P. Wetherill. T. A. I. M. E., vol. 5, p. 402.
- A PROPOSED NEW METHOD OF MINING ANTHRACITE.** By W. S. Greley. E. & M. J., vol. 48, p. 136. $8\frac{1}{2}$ columns. I.
- MODIFICATION OF WORKING COAL LATELY INTRODUCED IN NOVA SCOTIA.** By J. G. Rutherford. J. M. Soc. N. S., vol. 1, pt. 4, p. 47. 16 pages. I.
- QUEENSLAND COAL-MINING, AND THE METHOD ADOPTED TO OVERCOME AN UNDERGROUND FIRE.** By E. S. Wight. T. F. I. M. E., vol. 4, p. 548. 5 pages.
- SYSTEMS OF WORKING EMPLOYED IN THE COAL-FIELDS OF NEW SOUTH WALES.** T. F. I. M. E., vol. 2, p. 292.

- EARLIER METHODS OF WORKING COAL. Coll. Working and Management, p. 1. 8½ pages. I.
- METHODS OF WORKING THE THIN COAL-SEAMS OF THE BRISTOL AND SOMERSET COAL-FIELD. By G. E. J. McMurtrie. T. I. M. E., vol. 20, p. 340. 19 pages. I.
- METHOD OF MINING COAL IN INDIA. T. F. I. M. E., vol. 6, p. 430. I.
- CLEAVAGE PLANES AND THEIR INFLUENCE ON THE ECONOMICAL WORKING OF COAL. By G. G. André. T. N. S. I. M. & M. E., vol. 2, p. 132. 11 pages.
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- DANGEROUS ROOF OR "TOP" IN COAL MINING. M. & M., vol. 21, p. 381. 2 columns. I.
- MINING METHODS IN THE CŒUR D'ALENE DISTRICT, IDAHO: Thick Veins. By R. N. Bell. Min. Mag., vol. 13, p. 306. 5 columns. I.
- METHOD OF MINING SHEET GROUND IN THE JOPLIN DISTRICT. M. & M., vol. 28, p. 171. 5 columns. I.
- MINING IN SOUTHEAST MISSOURI LEAD MINES. By R. B. Brinsmade. M. & M., Nov., 1901, p. 145.
- MINING PRACTICE IN SOUTHEAST MISSOURI: The Country, the Mines, and the Method of Prospecting and Working. By R. B. Brinsmade. M. & M., Dec., 1901, p. 215. 8½ columns.
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- THE MINING AND METALLURGY OF ZINC IN THE UNITED STATES. By F. L. Clerc. E. & M. J., vol. 36, p. 148, 7 columns; p. 168, 2½ columns; p. 180, 3½ columns.
- ABSTRACT OF A PAPER ON THE MINES AND WORKS OF THE LEHIGH ZINC COMPANY. By H. S. Drinker. T. A. I. M. E., vol. 1, p. 67.
- CHINESE METHODS OF MINING QUICK-SILVER. By H. Brelich. T. I. M. & M., vol. 14, p. 483. 15 pages. I.
- MINING AND METALLURGY OF QUICK-SILVER IN MEXICO. By J. Mactear. T. I. M. & M., vol. 4, p. 69.
- MINING AND TREATMENT OF QUICK-SILVER ORES AT GUADALCAZAR, MEXICO. By W. H. Rundall. E. & M. J., vol. 59, p. 607. 2½ columns. I.
- DIAMOND MINING. By F. D. Hill. E. & M. J., vol. 84, p. 151. 4½ columns.
- SOME VIEWS AT THE KIMBERLEY DIAMOND MINES. E. & M. J., vol. 68, p. 637. 2 columns. I.
- THE DIAMOND MINES OF SOUTH AFRICA. By G. F. Williams. T. A. I. M. E., vol. 15, p. 392.
- THE POETSCH SYSTEM OF MINING IN QUICKSAND. E. & M. J., vol. 37, p. 458. 1 column.
- A NEW DEPARTURE IN MANGANESE MINING. By J. S. C. Wells. E. & M. J., vol. 74, p. 144. 2 columns. I.
- METHOD OF MINING MANGANESE AT CRIMORA, VIRGINIA. E. & M. J., vol. 49, p. 333.
- CORNISH TIN MINING IN PHOTOGRAPH. E. & M. J., vol. 58, p. 130, 1 column +, I.; p. 154, ½ column; p. 178, ½ column, I.; p. 202, Note; p. 226, Note; p. 251, Note; p. 275, Note; p. 298, Note.
- THE MINING, CONCENTRATION AND ANALYSIS OF CORUNDUM IN ONTARIO, CANADA. By W. L. Goodman. T. I. M. E., vol. 23, p. 446. 11 pages. I.
- THE JENES CORUNDUM MINE, MACON COUNTY, NORTH CAROLINA. By R. W. Raymond. T. A. I. M. E., vol. 7, p. 83.
- THE MINING AND PREPARATION OF KAOLIN. By T. C. Hopkins. E. & M. J., vol. 68, p. 245. 2 columns. I.
- A NOVEL METHOD OF MINING KAOLIN. By A. R. Ledoux. T. A. I. M. E., vol. 37, p. 319. 2½ pages.

- CLAY MINING:** A Description of the Methods Employed in Mining Clay by the Columbus Brick and Terra Cotta Company at Union Furnace, Ohio. By E. Lovejoy. M. & M., vol. 19, p. 385. 2½ columns. I.
- A GRAPHITE MINE.** By R. H. Palmer. E. & M. J., vol. 68, p. 694. 1½ columns. I.
- ASBESTOS MINING AND DRESSING AT THETFORD.** By H. N. Thompson. T. F. C. M. I., vol. 2, p. 273. 5 pages.
- JET MINING (Black Amber).** E. & M. J., vol. 33, p. 260. ¾ column.
- PUMICE STONE MINING.** E. & M. J., vol. 60, p. 246. ¾ column.
- The Caving System of Mining**
- THE CAVING SYSTEM OF MINING.** By W. H. Storms. Min. & Sci. Press, vol. 93, p. 48. 4 columns. I.
- CAVING AT MOWRY, ARIZONA.** M. & M., vol. 27, p. 529. ½ column. I.
- STOPING WITHOUT TIMBERS AT THE HOMESTAKE MINE, SOUTH DAKOTA.** By M. Ehle. M. & M., vol. 28, p. 460. 3¼ columns. I.
- THE "SLASH" SYSTEM OF MINING.** By C. T. Rice. E. & M. J., vol. 81, p. 1191. 1½ columns.
- THE "SLASH" SYSTEM OF MINING, TINTIC, UTAH.** E. & M. J., vol. 82, p. 548. Note.
- CAVING METHOD EMPLOYED AT THE MERCUR MINES, UTAH.** E. & M. J., vol. 68, pp. 754, 787. M. & M., vol. 25, p. 1.
- THE CAVING SYSTEM IN THE UTAH MINE, BINGHAM CANYON.** E. & M. J., vol. 84, p. 437. 2 columns.
- THE SLICING SYSTEM OF MINING, BINGHAM, UTAH.** M. & M., vol. 28, p. 105. 1 column. I.
- MINING METHODS AT BINGHAM, UTAH:** Use of Timber, Caving, etc. E. & M. J., vol. 77, p. 760. ¾ column.
- THE BAMBERGER DELAMAR MINE, NEVADA.** E. & M. J., vol. 77, p. 725. 1½ columns. I.
- THE CLOSING OF THE COMSTOCK MINES.** E. & M. J., vol. 42, p. 289. ½ column.
- THE CAVING SYSTEM AS APPLIED TO THE ELY MINES, NEVADA.** Min. & Sci. Press, vol. 93, p. 630. 2 columns. I.
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- THE CAVING SYSTEM: A Successful Method of Mining Iron Ore Used at the Pewabic Mine, Michigan.** By M. P. Hulst. M. & M., vol. 19, p. 496. 2 columns. I.
- THE SLICING-AND-CAVING AND SQUARE-SET SYSTEMS IN THE MESABI IRON ORE RANGE.** E. & M. J., Feb. 23, 1905, p. 365.
- MINING METHODS IN MESABI IRON DISTRICT, MINNESOTA.** By Kirby Thomas. Min. & Sci. Press, Apr. 16, 1904, p. 258.
- "CAVING" IN THE MESABI DISTRICT, MINNESOTA.** T. L. S. M. I., vol. 10, p. 144. 5 pages. I.
- CAVING SYSTEMS OF MINING IRON ORE.** P. E. Soc. W. Pa., vol. 15, p. 76. 24 pages. I.
- "TOP-SLICING" AS EMPLOYED IN MICHIGAN IRON MINES.** J. C. M. I., vol. 7, p. 327. 6 pages.
- THE CAVING SYSTEM ON THE MENOMINEE RANGE.** By R. Meeks. E. & M. J., vol. 84, p. 99. 12 columns. I.
- THE CAVING SYSTEM AS EMPLOYED ON THE MARQUETTE IRON RANGE.** E. & M. J., vol. 83, p. 1131. 4 columns. I.
- THE MESABI RANGE: A Description of the Ore, and also the Open Pit, the Caving and the Milling Methods of Mining It.** By C. Brakenbury. M. & M., vol. 21, p. 150. 5½ columns.
- Pocket Mining**
- POCKET MINING.** Min. & Sci. Press, vol. 36, p. 10. ¾ column.
- THE "POCKET MINES" OF TUOLUMNE COUNTY.** Min. & Sci. Press, vol. 40, p. 354. 1½ columns.

- POCKET MINING. Min. & Sci. Press, vol. 47, p. 169; vol. 50, p. 234. 1 column.
- POCKET MINING. Min. & Sci. Press, vol. 54, p. 202. 1½ columns.
- SOME NEW FACTS IN POCKET MINING. Min. & Sci. Press, vol. 56, p. 277. ¾ column.
- POCKET MINING IN TUOLUMNE COUNTY. Min. & Sci. Press, vol. 58, p. 355. 3 columns. I.
- POCKET MINING. Min. & Sci. Press, vol. 67, p. 22, 1 column; p. 37, 1½ columns; p. 53, 1½ columns; p. 68, ¾ column.
- WORKING DRIFT MINES. Min. & Sci. Press, vol. 67, p. 81. 2 columns. I.
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- Drift Mining**
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- WORKING DEEP DIGGINGS (Gravel). Min. & Sci. Press, vol. 34, p. 24. 1½ columns.
- WHAT SHOULD BE DETERMINED BEFORE DRIFT MINING IS UNDERTAKEN. Min. & Sci. Press, vol. 68, p. 18. ¾ column.
- DRIFT-MINING. By T. Egleston. Sch. Mines Quart., vol. 8, p. 204, 6 pages; p. 289, 20 pages.
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- BLOCKING OUT IN ALLUVIAL MINES. Min. & Sci. Press, vol. 47, p. 89. 1 column. I.
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- AN EXPERIENCE IN DRIFT MINING IN HARD CEMENT GRAVEL. By L. H. Carver. Min. & Sci. Press, vol. 86, p. 7, 2½ columns, I.; p. 22, 2 columns, I.
- MACHINERY IN DRIFT MINING. Min. & Sci. Press, vol. 49, p. 374. 1 column.
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- A CALIFORNIA DRIFT MINE. By W. E. Thorne. Min. & Sci. Press, vol. 87, p. 199. 1 column. I.
- THE MAGALIA, CALIFORNIA, DRIFT MINE. By A. D. Gassaway. Min. & Sci. Press, vol. 78, p. 372, 6 columns, I.; p. 400, 4 columns, I.
- THE KIMBLE DRIFT MINE, EL DORADO COUNTY, CALIFORNIA. By G. W. Kimble. Min. & Sci. Press, vol. 85, p. 23. 2 columns. I.
- SIERRA COUNTY DRIFT MINES. Min. & Sci. Press, vol. 41, p. 417. 2 columns. I.
- Methods of Stopping in Mines**
- STOPES AND STOPING: Stopes, Underhand Stopping, Overhand Stopping, Combined Stopping, Breast or Side Stopping, Longwall Stopes, and Methods of Working Reefs which are Close Together. The Witwatersrand Gold-Fields, pp. 336-345.
- BREAKING THE ORE IN THE STOP FACE. The Witwatersrand Gold-Fields, p. 357. I.

- NOTES ON BREAKING GROUND.** By T. L. Carter. E. & M. J., vol. 74, p. 576. 4 columns. I.
- METHODS OF STOPING: Over- and Under-hand on the Rand.** Witwatersrand Gold-Fields, p. 335. 30 pages. I.
- OVERHAND STOPING AT LAKE SUPERIOR.** E. & M. J., vol. 82, p. 767. 6 columns. I.
- OVER-HAND STOPING AT THE EMMA MINE, CANADA.** E. & M. J., vol. 84, p. 497. $\frac{1}{2}$ column.
- THE UNDER- AND OVER-HAND STOPING SYSTEMS.** By A. Williams. Coll. Engr. & Met. Miner, vol. 15, p. 172. $3\frac{1}{2}$ columns. I.
- UNDERHAND STOPING AT THE DAVIS PYRITES MINE, MASSACHUSETTS.** E. & M. J., vol. 82, p. 675. $2\frac{1}{2}$ columns. I.
- STOPING WITH MACHINE-DRILLS.** By B. L. Thane. T. A. I. M. E., vol. 29, pp. 770, 1045.
- STOPING WITH THE AIR-HAMMER DRILL.** By G. E. Wolcott. E. & M. J., vol. 84, p. 117. $5\frac{1}{2}$ columns. I.
- STOPING WITH MACHINE DRILLS.** Min. & Sci. Press, vol. 81, p. 94. 1 column.
- METHOD OF MINING IN THE WITWATERSRAND GOLD-FIELD.** T. I. M. E., vol. 18, p. 97.
- UNDERGROUND WORK IN THE TRANSVAAL.** By P. Carter. Min. Mag., vol. 12, p. 273. 12 columns. I.
- MINING METHODS AT JOHANNESBURG.** By T. L. Carter. E. & M. J., vol. 75, p. 597. $2\frac{3}{4}$ columns.
- THE WORKING OF A WIDE GOLD QUARTZ REEF IN SOFT GROUND AT REZENDE, RHODESIA.** By J. A. Woodburn. T. I. M. & M., vol. 12, p. 286. 15 pages. I.
- METHODS OF STOPING AT CRIPPLE CREEK.** By G. E. Wolcott. E. & M. J., vol. 84, p. 1003. 8 columns. I.
- METHOD OF STOPING AT THE CROSS MINE.** T. A. I. M. E., vol. 25, p. 775.
- MINING AT THE EAST FINGALL MINE, WEST AUSTRALIA (Method of Stoping).** Min. Mag., vol. 11, p. 447. 3 columns.
- STOPING ON THE RAND.** Gold Mines of the Rand, p. 127. 6 pages. I.
- STOPING IN WEST AUSTRALIA.** Gold Min. & Mill. W. Aus., p. 179. 1 page.
- STOPING AT THE DALY-WEST MINE.** M. & M., vol. 28, p. 354. $\frac{1}{2}$ column.
- STOPING METHODS IN THE TINTIC DISTRICT.** M. & M., vol. 28, p. 293. $\frac{3}{4}$ column.
- STOPING AT BINGHAM, UTAH.** M. & M., vol. 28, p. 105. 2 columns.
- STOPING SYSTEMS AT BROKEN HILL, AUSTRALIA.** By A. J. Moore. M. & M., vol. 27, p. 433. 9 columns. I.
- METHOD OF MINING (Overhand Stoping) IN THE KENTUCKY LEAD MINES.** E. & M. J., vol. 83, p. 658. $1\frac{1}{2}$ columns. I.
- METHODS OF PROSPECTING AND MINING IN THE GALENA-JOPLIN DISTRICT.** By W. R. Crane. E. & M. J., vol. 72, p. 360. 5 columns. I.
- ZINC-BLENDE MINES AND MINING NEAR WEBB CITY, MISSOURI.** By C. Henrich. T. A. I. M. E., vol. 21, p. 3.
- METHODS OF WORKING THE ZINC DEPOSITS NEAR WEBB CITY, MISSOURI.** By O. Rees. Coll. Engr. & Met. Miner, vol. 15, p. 29. $3\frac{1}{2}$ columns. I.
- ZINC MINING: A Description of the Methods of Mining and Dressing Zinc Ores.** By H. K. Landis. Coll. Engr. & Met. Miner, vol. 17, p. 62. $5\frac{1}{2}$ columns. I.
- MINING ZINC ORE BY "DRIFT-SKIRTING."** T. A. I. M. E., vol. 37, p. 304. 3 pages. I.
- GROUND BREAKING IN THE JOPLIN DISTRICT: Stoping.** By Doss Britain. E. & M. J., vol. 84, p. 255. 13 columns. I.

- SHEET-GROUND MINE IN SOUTHWEST MISSOURI.** By D. T. Boardman. E. & M. J., vol. 84, p. 877. 9 columns. I.
- MINING SHEET GROUND IN THE JOPLIN DISTRICT.** By D. Brittain. E. & M. J., vol. 84, p. 1117. 6½ columns. I.
- BACK-STOPING IN HARD IRON ORE.** E. & M. J., vol. 84, p. 101. 2 columns. I.
- METHOD OF STOPING AT THE BADEN COPPER MINES, VALPARAISO.** E. & M. J., vol. 84, p. 1060. ¾ column. I.
- IRON ORE MINING IN THE LAKE SUPERIOR REGION.** By J. P. Channing. E. & M. J., vol. 60, p. 394. 6½ columns. I.
- MINING PRACTICE IN BUTTE, MONTANA, COPPER MINES: Methods Employed in the Various Operations.** By R. B. Brinsmade. M. & M., vol. 21, p. 103, 8½ columns, I.; p. 155, 8½ columns, I.
- SOME NOTES ON A LAKE SUPERIOR COPPER MINE.** E. & M. J., vol. 66, p. 35. 1½ columns. I.
- DRIFTING AND STOPING AT LAKE SUPERIOR.** By W. R. Crane. E. & M. J., vol. 82, p. 645. 6½ columns. I.
- Mining Thick and Massive Deposits**
- METHODS OF MINING LARGE ORE-BODIES IN AUSTRALIA.** E. & M. J., vol. 80, p. 962. 5 columns.
- SYSTEMS OF MINING IN LARGE BODIES OF SOFT ORE.** By R. P. Rothwell. T. A. I. M. E., vol. 16, p. 862.
- METHOD OF WORKING MASSIVE DEPOSITS (Lodes 30 to 130, Average 50 to 60 feet) BY OVERHAND STOPING.** M. & M., vol. 27, p. 339. ¾ column. I.
- METHOD OF MINING THICK ORE BODIES AT BUTTE, MONTANA.** M. & M., vol. 26, p. 407. ½ column. I.
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- MINING SOFT IRON ORE WITHOUT TIMBER.** By S. R. Elliott. Min. & Sci. Press, vol. 92, p. 379. 2 columns. I.
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- METHOD OF WORKING A VERTICAL PIPE OF BROKEN ORE, MASS SKIRTED AT EACH LEVEL, ETC., SANTA EULALIA, MEXICO.** Min. & Sci. Press, vol. 88, p. 349. ½ column.
- EXTRACTION OF ORE FROM WIDE VEINS OR MASSES.** By G. D. Delprat. T. A. I. M. E., vol. 21, p. 89.
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- THE WORKING OF A WIDE GOLD QUARTZ REEF IN SOFT GROUND AT REZENDE, RHODESIA.** By J. A. Woodburn. T. I. M. & M., vol. 12, p. 286. 13 pages. I.
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- WHAT IS THE BEST SYSTEM OF WORKING THICK COAL SEAMS?** By O. J. Heinrich. T. A. I. M. E., vol. 2, p. 105.
- WORKING OF A THICK COAL-SEAM IN BENGAL, INDIA.** By T. Adamson. T. I. M. E., vol. 25, p. 10. 6 pages. I.
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- A METHOD OF WORKING THE THICK COAL-SEAM IN TWO SECTIONS.** By W. Charlton. T. I. M. E., vol. 21, p. 264, 4 pages, I.; vol. 23, p. 112, 4 pages.
- METHODS OF WORKING THE 10-YARD OR THICK COAL OF SOUTH STAFFORDSHIRE.** T. F. I. M. E., vol. 3, p. 35.
- PROPOSED METHOD OF MINING THE MAMMOTH COAL SEAM.** Rept. Insp. Mines Pa., 1873, p. 187. 2½ pages. I.
- PROPOSED METHOD OF MINING A THICK SEAM OR VEIN (12 to 15 feet).** Min. & Sci. Press, vol. 93, p. 46, 3½ columns, I.; pp. 76 and 77, 1 column+, I.; p. 196, 1½ columns; p. 441, ¾ column, I.
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- WORKING THE THICK COAL-SEAM OF WARWICKSHIRE IN ONE OPERATION.** T. A. I. M. E., vol. 33, p. 507. 4 pages.
- Under-Sea Mining**
- THE SEA AND MINING.** By A. Lakes. M. & M., vol. 24, p. 12. 4½ columns. I.
- SUBMARINE COAL MINING.** By A. Selwyn-Brown. E. & M. J., vol. 80, p. 913. 2 columns.
- MINING UNDER THE SEA.** E. & M. J., vol. 75, p. 486. ¼ column.
- SUBMARINE COAL-MINING AT BRIDGE-NESS, N. B., ENGLAND.** By H. M. Cadell. T. F. I. M. E., vol. 14, p. 237. 18 pages. I.
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- WORKING FROZEN ALLUVIAL DEPOSITS IN SIBERIA.** By E. D. Levat. E. & M. J., vol. 63, p. 599. 1½ columns. I.
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- MINING FROZEN GROUND IN SIBERIA.** Min. & Sci. Press, vol. 81, p. 397. 1½ columns. I.
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- HOW GOLD IS MINED ON THE KLONDIKE AND THE CHANCES OF FORTUNE THERE.** E. & M. J., vol. 64, p. 631.
- MINING IN THE YUKON.** E. & M. J., vol. 69, p. 742. ¾ column.
- GOLD MINING IN THE YUKON TERRITORY.** M. & M., Mar., 1904, p. 358. ¾ column.
- THAWING FROZEN GROUND IN ALASKA.** Min. & Sci. Press, vol. 91, p. 229. 1 column. I.

- THE FROZEN DEPOSITS OF THE NORTH.** Min. & Sci. Press, vol. 79, p. 379. $\frac{1}{2}$ column.
- Packing Mine Working: Flushing Culm, Use of Waste, etc.**
- FLUSHING CULM IN ANTHRACITE MINES** By W. Griffith. M. & M., vol. 20, p. 388. $5\frac{1}{2}$ columns. I.
- FLUSHING CULM: The Method of Filling Anthracite Mines with Culm and the Advantages of the Process.** M. & M., vol. 18, p. 342, $3\frac{1}{2}$ columns; p. 389, $5\frac{1}{2}$ columns. I.
- FLUSHING CULM: A Novel Plan of Conveying Culm into Old Workings to Support the Roof.** Coll. Engr. & Met. Miner, vol. 14, p. 11. 2 columns. I.
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- FILLING OLD MINE WORKINGS.** By C. Cizek. E. & M. J., vol. 76, p. 770. $\frac{1}{2}$ column.
- PACKING MINE WORKINGS WITH MATERIALS FLUSHED FROM THE SURFACE.** Min. Mag., vol. 11, p. 539. $1\frac{1}{2}$ columns.
- SAND FLUSHING FROM THE SURFACE.** By V. Ranzinger. Min. Mag., Mar., 1905, p. 268.
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- SIZE OF PIPE TO USE IN FLUSHING CULM.** E. & M. J., vol. 82, p. 19. Note
- BREAKER-WASTE DISPOSAL.** E. & M. J., vol. 80, p. 304. 1 column.
- FLUSHING CULM IN MINES: Wear of Pipes Remedied by Turning. Relative Cost Compared with Metal.** E. & M. J., vol. 80, p. 344. $\frac{1}{2}$ column.
- FLUSHING CULM IN COLLIERIES: Working Conditions.** E. & M. J., vol. 83, p. 1056. $\frac{1}{2}$ column.
- FLUSHING CULM IN ANTHRACITE COAL MINING.** E. & M. J., vol. 83, p. 626. Note; p. 722. Note.
- AMOUNT OF WATER NECESSARY TO FLUSH CULM.** E. & M. J., vol. 82, p. 1124. Note.
- THE COMPRESSION OF STOPE FILLINGS.** By B. J. Oberhausen. Sch. Mines Quart., vol. 26, p. 271. 5 pages. I.
- USE OF WASTE FILLING.** E. & M. J., vol. 84, p. 1004. $\frac{1}{2}$ column.
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- FLUSHING CULM.** M. & M., vol. 18, p. 389, $4\frac{1}{2}$ columns. I.; vol. 20, p. 388, $5\frac{1}{2}$ columns. I.
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- FILLING MINES (Coal) WITH SAND (in Upper Silesia).** E. & M. J., vol. 72, p. 704. Note.

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River Mining

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- DEEP MINING IN MEXICO, AND THE CHANGES THAT OCCUR IN THE COUNTRY-ROCK AND VEIN-FILLING IN DEPTH. By E. Halse. T. I. M. & M., vol. 3, pp. 418, 437.
- DEEP MINING IN NOVA SCOTIA. J. C. M. I., vol. 2, p. 119. I.
- MINING ON THE WITWATERSRAND TO 12,000 FEET DEEP. By J. Yates. E. & M. J., vol. 68, p. 337. 4 columns.
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- DEEP LEVEL SHAFTS ON THE RAND. By A. E. Pettit. M. & M., vol. 28, p. 413. 7 columns. I.

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- ORE DEPOSITION AND DEEP MINING.** By Waldemar Lindgren. Min. & Sci. Press, vol. 92, p. 41. 2 $\frac{1}{2}$ columns. I.
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- DEEP COAL MINING IN BELGIUM.** E. & M. J., vol. 66, pp. 277, 492. 1 column.
- THE PROBABLE AVERAGE DEPTH AT WHICH COAL IS NOW BEING WORKED IN THE BRITISH ISLES.** Coll. Engr., vol. 10, p. 163. 1 column+.
- THE DEEPEST COAL MINE IN THE WORLD.** Coll. Engr., vol. 9, p. 56. $\frac{1}{2}$ column.
- DEEP ALLUVIAL MINING IN VICTORIA.** By F. D. Powers. E. & M. J., vol. 78, p. 509, 6 columns. I.; p. 549, 8 $\frac{1}{2}$ columns. I.
- THE POSSIBLE DEPTH OF WORKING COAL MINES.** E. & M. J., vol. 12, p. 194; 1 $\frac{1}{2}$ columns; p. 212, 2 columns.
- A NEW METHOD FOR WORKING DEEP COAL-BEDS.** By H. M. Chance. T. A. I. M. E., vol. 30, p. 285.
- DEEP COAL MINING.** By Geo. Farmer. E. & M. J., vol. 82, p. 209. 5 $\frac{1}{2}$ columns.
- PROBLEMS OF WORKING THICK COAL IN DEEP MINES.** By L. Holland. T. I. M. E., vol. 28, p. 349. 10 pages.
- DEEP LEVEL COAL MINING.** P. C. M. & M. Soc. S. A., vol. 5, p. 139. 1 column.

Beach Mining

- AURIFEROUS BEACH MINING IN AUSTRALIA.** E. & M. J., vol. 60, p. 491. $\frac{1}{2}$ column.
- THE MINING OF BEACH SANDS.** Min. & Sci. Press, vol. 74, p. 405. 3 columns. I.
- BEACH MINING WITH A SURF WASHER.** By A. E. Elfner. Min. & Sci. Press, vol. 86, p. 364. 1 column. I.
- THE GOLD BLUFFS AND GOLD BEACHES ON OUR NORTHERN COAST: First Discovery of Beach Gold.** Min. & Sci. Press, vol. 43, p. 104. 1 $\frac{1}{2}$ columns.
- THE OCEAN PLACERS OF SAN FRANCISCO.** Min. & Sci. Press, vol. 37, p. 210. 3 $\frac{1}{2}$ columns.

- BEACH MINING ALONG OUR GOLD COAST.** Min. & Sci. Press, vol. 29, p. 56. 1½ columns.
- BEACH MINING.** Min. & Sci. Press, vol. 28, p. 49. 4 columns. I.
- BEACH MINING ON THE NORTHERN COAST.** Min. & Sci. Press, vol. 16, p. 114. 1½ columns.
- BEACH MINING FOR GOLD: Apparatus for the Work.** Min. & Sci. Press, vol. 47, p. 1. 1½ columns. I.
- OCEAN BEACH MINING ON MONTEREY BAY.** Min. & Sci. Press, vol. 65, p. 126. ½ column.
- THE PACIFIC BEACH MINES.** E. & M. J., vol. 5, p. 161. 1½ columns.
- Excavation of Earth, Rock, and Ore, Use of Steam Shovels, Mechanical Excavators and Unloaders**
- EARTH CLASSIFICATION: Kinds of Earth; Test Pits.** By H. P. Gillette. Earthwork and Its Costs, Chap. 2, p. 19. 5 pages.
- EARTH AND EARTH STRUCTURES: Voids and Weight of Earth; Natural Slopes; Friction of Earth; Earth Pressure; Slips and Subsidences; Embankment Construction; and Effect of Freezing.** Earthwork and Its Cost, by H. P. Gillette, Chap. 18, p. 184.
- EARTH SHRINKAGE: Swelling of Earth and Shrinking of Earth.** Earthwork and Its Cost, by H. P. Gillette. Chap. 1, p. 11. 8 pages.
- CALCULATIONS OF EXCAVATIONS.** By S. N. Bell. M. & M., vol. 27, p. 42. 5 columns+. I.
- GRADUATION: Width of Cuts and Fills in Railroad Work.** Min. & Sci. Press, vol. 25, p. 162. ½ column.
- RULES FOR RAPID CALCULATION OF VALUES PER CUBIC YARD GOLD DREDGING.** Min. Mag., Jan., 1905, p. 14.
- METHOD OF EXCAVATING ROCK IN LARGE MASSES.** By G. C. McFarlane. E. & M. J., vol. 84, p. 204. 5 columns.
- ROCK EXCAVATION: Methods and Cost.** By H. P. Gillette.
- METHOD OF CLEARING AND GRUBBING LAND AND BLASTING STUMPS.** By D. J. Hauer. Eng.-Cont., vol. 27, p. 93. 6 columns.
- THE REMOVAL OF THE OBSTRUCTIONS AT HELL GATE.** E. & M. J., vol. 11, p. 41. 1½ columns.
- THE HELL GATE OBSTRUCTIONS.** Min. & Sci. Press, vol. 23, p. 99. 1½ columns. I.
- MECHANICAL METHODS OF ROCK EXCAVATION ON THE CHICAGO MAIN DRAINAGE CHANNEL.** By W. G. Potter. J. W. Soc. E., vol. 1, p. 145. 41 pages. I.
- THE PRICE EXCAVATOR.** Min. & Sci. Press, vol. 34, p. 347. 1 column. I.
- SAND AND GRAVEL DIGGER, ELEVATOR AND GRADER.** M. & M., May, 1904, p. 507. 1 column. I.
- THE TRIUMPH DIGGER AND ELEVATOR,** p. 524. 1½ columns. I.
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- THE CALHOUN EXCAVATOR.** E. & M. J., vol. 62, p. 441. 1 column. I.
- THE BUCKET-DREDGING INDUSTRY.** By E. S. Marks and G. N. Marks. T. I. M. & M., vol. 15, p. 453. 60 pages. I.
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- CONVEYOR DREDGE USED ON THE SUEZ CANAL.** J. W. Soc. E., vol. 1, p. 14. Note. I.

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- PAVEMENT OF SLUICES.** Min. & Sci. Press, vol. 34, p. 377, $\frac{3}{4}$ column, I.; vol. 35, p. 8, $\frac{1}{2}$ column.
- WASHING BOXES AT OTAGO: Alluvial Mining.** T. A. I. M. E., vol. 21, p. 450.
- SLUICES AND UNDERCURRENTS IN HYDRAULIC MINING.** T. I. M. E., vol. 27, p. 140. 3 pages. I.
- SLUICES, DITCHES AND RIFFLES IN KLONDIKE MINING PRACTICE.** E. & M. J., vol. 83, pp. 414-418. I.
- SLUICE HEAD AND GRADE IN HYDRAULICKING (Sluicing) TIN STONE.** Tin Deposits of the World, p. 47. Table.
- AN ALASKA DAM AND FLUME.** Min. & Sci. Press, vol. 89, p. 436. $\frac{3}{4}$ column. I.
- BOX SLUICES.** Min. & Sci. Press, vol. 82, p. 115. $\frac{1}{4}$ column.
- A SYPHON MINING SLUICE.** Min. & Sci. Press, vol. 42, p. 333. $1\frac{1}{2}$ columns. I.
- SAVING OF SULPHURETS IN HYDRAULIC MINING SLUICES.** Min. & Sci. Press, vol. 18, p. 353, $1\frac{1}{2}$ columns; p. 376, $1\frac{1}{2}$ columns.
- PLACER SULPHURETS.** Min. & Sci. Press, vol. 18, p. 393. $\frac{3}{4}$ column.
- THE QUESTION OF RIFFLES.** E. & M. J., vol. 84, p. 441. 3 columns. I.
- THE BEST RIFFLES FOR PLATINUM.** Min. & Sci. Press, vol. 92, p. 236. 1 column. I.
- RIFFLE CONSTRUCTION.** Min. & Sci. Press, vol. 85, p. 23. I.
- TROFFTON'S GOLD-SAVING DEVICE (Riffle).** Min. & Sci. Press, vol. 61, p. 239. $1\frac{1}{2}$ columns. I.
- IRON COPPED RIFFLES.** Min. & Sci. Press, vol. 74, p. 453. $\frac{1}{2}$ column. I.
- EVAN'S CORRUGATED RIFFLE.** Min. & Sci. Press, vol. 18, p. 161. 2 columns. I.
- JENNING'S IMPROVED MINING SLUICE.** Min. & Sci. Press, vol. 18, p. 257. $1\frac{1}{2}$ columns. I.
- PEER AND LUNDQUIST FLUME RIFFLE.** Min. & Sci. Press, vol. 27, p. 273. $1\frac{1}{2}$ columns. I.
- THE SAVING OF ALLUVIAL GOLD IN ALASKA AND THE KLONDIKE.** By C. W. Purington. Min. Mag., Jan., 1905, p. 16. 18 columns. I.
- PLACER MINING IN JOSEPHINE COUNTY, OREGON.** By A. B. Cousins. E. & M. J., vol. 74, p. 582. 2 columns. I.

- PLACER MINING IN SOUTHERN OREGON.** By D. H. Stovall. Min. & Sci. Press, vol. 87, p. 100, 1 column; p. 216, 1½ columns.
- GIANT HYDRAULIC PLACER MINING IN OREGON: Pumping Water with Turbines against a Head of 430 Feet for Operating Giants.** By A. S. Atkinson. M. & M., vol. 26, p. 348. 2 columns.
- PECULIAR METHOD OF HYDRAULICKING IN OREGON: Direct Centrifugal Pump Pressure.** M. & M., vol. 26, p. 123. ¼ column.
- WASHINGS FOR GOLD ALONG THE RHINE.** By B. Neumann. T. I. M. E., vol. 27, p. 631. ½ page.
- PLACERS OF THE BLACK HILLS, DAKOTA.** T. A. I. M. E., vol. 17, p. 571.
- THE GOLD PLACERS OF THE EASTERN URAL MOUNTAINS, RUSSIA.** By H. B. C. Nitze. E. & M. J., vol. 66, p. 305. 2½ columns. I.
- Dredging for Gold and Other Materials: Practice and Appliances**
- GOLD DREDGING IN CALIFORNIA.** Min. & Sci. Press, vol. 91, p. 160, 4½ columns, I.; p. 178, 5 columns, I.
- GOLD DREDGING IN COLORADO.** Min. & Sci. Press, vol. 91, p. 398. 1 column +.
- DREDGING: Prospecting and Historical.** By J. P. Hutchins. E. & M. J., vol. 80, p. 49, 3½ columns, I.; p. 102, 6½ columns.
- DREDGING AND VALUING DREDGING-GROUND IN OROVILLE, CALIFORNIA.** By N. B. Knox. T. I. M. & M., vol. 12, p. 452. 10 pages. I.
- DREDGING AND HORTICULTURE.** By D'Arcy Weatherbe. Min. & Sci. Press, vol. 94, p. 151. 2 columns.
- OPERATING A DREDGE IN COLD CLIMATES BY SUBMERGING THE GRAVEL.** Min. & Sci. Press, vol. 93, p. 775. Note.
- ALLUVIAL MINING IN OTAGO.** By T. A. Rickard. T. A. I. M. E., vol. 21, p. 442.
- NOTES ON ALLUVIAL MINING IN NEW ZEALAND.** By J. W. Gray. Min. & Sci. Press, vol. 78, p. 208. 1½ columns.
- HYDRAULIC MINING IN CALIFORNIA.** By J. P. Hutchins. E. & M. J., vol. 81, p. 939. 12 columns. I.
- DEEP PLACER MINING IN CALIFORNIA.** E. & M. J., vol. 11, p. 106, 2 columns +; p. 120, 2½ columns; p. 136, 1½ columns, I.; p. 159, 6 columns, I.; p. 195, 2 columns +; p. 216, 2½ columns; p. 243, 2½ columns; p. 258, 3½ columns.
- AURIFEROUS GRAVELS OF CALIFORNIA AND METHODS OF THEIR EXPLOITATION.** E. & M. J., vol. 50, p. 310. 2 columns.
- MINING FOR GOLD IN THE AURIFEROUS GRAVELS OF CALIFORNIA.** By G. K. Radford. T. I. M. E., vol. 17, p. 452. 30 pages. I.
- HYDRAULIC MINING IN CALIFORNIA.** Min. & Sci. Press, vol. 29, p. 337, 3 columns, I.; p. 361, 2½ columns; p. 369, 3 columns, I.; p. 386, 2 columns; p. 409, 2 columns.
- A HYDRAULIC MINE IN CALIFORNIA.** By D'Arcy Weatherbe. Min. & Sci. Press, vol. 93, p. 296. 4½ columns. I.
- HYDRAULIC MINING IN CALIFORNIA.** By C. G. Yale. E. & M. J., vol. 82, p. 1065. 1½ columns.
- HYDRAULIC MINING IN HUMBOLDT COUNTY, CALIFORNIA.** E. & M. J., Feb. 23, 1905, p. 362. 2½ columns. I.
- HYDRAULIC MINING IN CALIFORNIA.** By A. J. Bowie. T. A. I. M. E., vol. 6, p. 27.
- CALIFORNIA GRAVEL MINES.** Min. & Sci. Press, vol. 27, p. 8. 2 columns.
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- HYDRAULIC MINING IN CALIFORNIA.** Min. & Sci. Press, vol. 30, p. 9, 2 columns, I.; p. 17, 1 column, I.; p. 33,

- 1 column; p. 49, 2 columns, I.; p. 72, $\frac{3}{4}$ column; p. 92, $\frac{3}{4}$ column; p. 108, 1 column; p. 113, 1 column; p. 137, $1\frac{1}{2}$ columns, I.
- HYDRAULIC MINING IN CALIFORNIA.** Min. & Sci. Press, vol. 30, p. 145, $1\frac{1}{2}$ columns; p. 161, 2 columns, I.; p. 177, 2 columns, I.; p. 193, 1 column; p. 217, $1\frac{1}{2}$ columns; p. 233, 1 column; p. 249, $\frac{3}{4}$ column; p. 272, $\frac{1}{2}$ column; p. 289, $\frac{1}{2}$ column, I.
- THE SPRING VALLEY HYDRAULIC GOLD MINE.** Min. & Sci. Press, vol. 43, p. 437. $4\frac{1}{2}$ columns. I.
- THE SWEEPSTAKE PLACER MINE, TRINITY COUNTY, CALIFORNIA.** Min. & Sci. Press, vol. 82, p. 292. 1 column.
- A TRINITY COUNTY, CALIFORNIA, HYDRAULIC ENTERPRISE: Flumes, Pipe, Construction, etc.** Min. & Sci. Press, vol. 76, p. 204. $3\frac{1}{2}$ columns. I.
- HYDRAULIC MINING IN CALIFORNIA.** Min. & Sci. Press, vol. 78, p. 313. 3 columns. I.
- HYDRAULIC MINING IN NORTH CALIFORNIA.** Min. & Sci. Press, vol. 78, p. 505. 1 column. I.
- GRAVEL MINING IN CALAVERAS COUNTY, CALIFORNIA.** By M. P. Boag. Min. & Sci. Press, vol. 89, p. 339. $\frac{1}{2}$ column.
- EXPLOITING THE PLEISTOCENE RIVERS.** Min. & Sci. Press, vol. 36, p. 280. $\frac{1}{2}$ column.
- DRIFT MINING IN PLACER COUNTY.** Min. & Sci. Press, vol. 36, p. 296. $1\frac{1}{2}$ columns.
- HYDRAULIC MINING IN CALAVERAS COUNTY.** Min. & Sci. Press, vol. 27, p. 246. 1 column.
- SIZE AND REGULATIONS FOR MINING AND DREDGING CLAIMS IN THE ATLIN DISTRICT, BRITISH COLUMBIA.** E. & M. J., vol. 77, p. 523.
- GOLD DREDGING: A Departure in the Methods of Obtaining Gold from Placer Deposits with a Limited Water Supply.** By J. M. Sweeney. M. & M., vol. 19, p. 536, 6 columns, I.; vol. 20, p. 341, $3\frac{1}{2}$ columns, I.
- A NEW METHOD OF PLACER MINING FOR GOLD: A Device for Excavating and Handling Large Quantities of Material.** By F. B. Knight. M. & M., vol. 18, p. 385. $6\frac{1}{2}$ columns. I.
- DREDGING FOR GOLD.** By C. C. Longridge. Engineering, London, vol. 67, p. 535, $2\frac{1}{2}$ columns; p. 642, 4 columns; vol. 68, p. 34, $4\frac{1}{2}$ columns; p. 192, $2\frac{1}{2}$ columns.
- DREDGING FOR GOLD: Facts in Regard to the Operation of Dredges on Placers at Various Places in the West.** By W. S. Russell. M. & M., vol. 21, p. 196. 4 columns. I.
- GOLD DREDGING UNDER DIFFICULT CONDITIONS.** By F. W. Taylor. E. & M. J., vol. 77, p. 476, 5 columns, I.; p. 82, 5 columns.
- GOLD DREDGING: Number of Dredges Working at Various Places.** E. & M. J., vol. 78, p. 170. 1 column.
- SLUICES AND RIFFLES IN DREDGING.** By D. H. Stovall. Min. & Sci. Press, vol. 94, p. 575. $2\frac{1}{2}$ columns. I.
- GOLD SAVING ON DREDGES.** By J. P. Smith. E. & M. J., vol. 77, p. 198. 2 columns. I.
- BLASTING TIGHT PLACERS BEFORE DREDGING.** E. & M. J., vol. 78, p. 9. $2\frac{1}{2}$ columns.
- A GOLD DREDGER FOR HEAVY WORK.** E. & M. J., vol. 77, p. 525. $1\frac{1}{2}$ columns. I.
- A FEW NOTES UPON GOLD DREDGING.** By F. S. Clarke. J. C. M. I., vol. 5, p. 87. 10 pages. I.
- GOLD-DREDGING.** By W. D. Verschayle. T. I. M. E., vol. 21, p. 372. 7 pages. I.
- GOLD DREDGES IN CALIFORNIA.** E. & M. J., vol. 77, p. 834. $1\frac{1}{2}$ columns.
- GOLD DREDGING.** By R. H. Postlethwaite. M. & M., vol. 20, p. 341. $3\frac{1}{2}$ columns. I.
- DREDGING FOR GOLD.** Min. & Sci. Press, vol. 65, p. 155. $2\frac{1}{2}$ columns. I.
- DREDGING FOR GOLD.** Min. & Sci. Press, vol. 55, p. 193. $2\frac{1}{2}$ columns. I.

- DREDGING FOR GOLD IN RIVERS. Min. & Sci. Press, vol. 55, p. 225. 3 columns. I.
- A TAILING STACKER FOR HYDRAULIC MINES. Min. & Sci. Press, vol. 90, p. 133. $\frac{1}{2}$ column. I.
- HOW TO MAKE GOLD DREDGING PAY. Min. & Sci. Press, vol. 81, p. 464. 3 columns.
- NOTES ON DREDGING FOR GOLD. By J. W. Gray. Min. & Sci. Press, vol. 75, p. 456. $2\frac{1}{2}$ columns.
- AN AID TO GOLD DREDGING. Min. & Sci. Press, vol. 82, p. 94. $1\frac{1}{2}$ columns. I.
- LATE GOLD DREDGING PRACTICE. By R. L. Montague. Min. & Sci. Press, vol. 83, p. 183, $2\frac{1}{2}$ columns; p. 194, $1\frac{1}{2}$ columns, I.; p. 204, 1 column, I.; p. 216, 4 columns, I.; p. 228, 5 columns, I.; p. 242, 5 columns, I.; p. 260, $1\frac{1}{2}$ columns.
- DREDGING FOR GOLD. By F. Van Wagenen. Min. & Sci. Press, vol. 80, p. 94, 3 columns, I.; p. 120, 4 columns, I.
- SOME NOTES ON GOLD DREDGING. Min. & Sci. Press, vol. 80, p. 206. 1 column.
- A MODERN DREDGING PLANT. Min. & Sci. Press, vol. 80, p. 317. 1 column.
- TESTING GOLD PLACER GROUND. Min. & Sci. Press, vol. 80, p. 374. $\frac{1}{2}$ column.
- DREDGING AT DAYTON. Min. & Sci. Press, vol. 70, p. 97, 3 columns, I.; p. 103, $1\frac{1}{2}$ columns; p. 177, $\frac{1}{2}$ column, I.
- GOLD DREDGING. By G. L. Holmes. Cal. Miners' Assoc. Annl., 1906, p. 101. 14 pages.
- PLACER MINING IN THE KLONDIKE. By J. B. Tytrel. E. & M. J., vol. 83, p. 413. $15\frac{1}{2}$ columns. I.
- HYDRAULIC MINING IN CARIBOO, BRITISH COLUMBIA. Min. & Sci. Press, vol. 88, p. 129, $1\frac{1}{2}$ columns, I.; p. 148, $1\frac{1}{2}$ columns.
- HYDRAULICKING IN THE YUKON REGION. By C. R. Settlemeier. Min. & Sci. Press, vol. 89, p. 342. $3\frac{1}{2}$ columns.
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- PLACER MINING METHODS IN THE ATLIN DISTRICT: Mining and Blasting before Hydraulicking, British Columbia. By A. Carmichael. M. & M., vol. 27, p. 241. $5\frac{1}{2}$ columns. I.
- A NORTH CAROLINA HYDRAULIC PROPOSITION. E. & M. J., vol. 67, p. 291. 2 columns. I.
- GOLD WASHING IN THE SOUTH. By E. B. Wilson. E. & M. J., vol. 82, p. 933. $2\frac{1}{2}$ columns. I.
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- PLACER MINING IN FRENCH GUIANA. By Leon Delvaux. E. & M. J., vol. 83, p. 421. 10 columns. I.
- PLACER MINING IN SOUTHERN CHILE AND TIERRA DEL FUEGO. E. & M. J., vol. 84, p. 202. 3 columns. I.
- HYDRAULIC GOLD MINING IN GEORGIA. Min. & Sci. Press, vol. 39, p. 151. $\frac{1}{2}$ column.
- STEAM SHOVEL AND DERRICK PLACER MINING IN IDAHO. By J. B. Hastings. E. & M. J., vol. 60, p. 589. 1 column. I.
- THE BEAR GULCH PLACERS, MONTANA. By F. D. Smith. E. & M. J., vol. 68, p. 757. 1 column. I.
- A MONTANA PLACER MINING PLANT. E. & M. J., vol. 67, p. 175. 1 column. I.
- HYDRAULIC GOLD MINING IN NEVADA. E. & M. J., vol. 45, p. 434. $1\frac{1}{2}$ columns.
- CAUSES OF STOPPAGES (in per Cent) of DREDGES. E. & M. J., vol. 79, p. 895. 3 columns.
- A GOLD-MINING DREDGE OF RECENT DESIGN. By S. S. Uyer. E. & M. J., vol. 77, p. 925. 8 columns. I.

- GOLD DREDGING.** By J. H. Curle. Min. & Sci. Press, vol. 92, p. 52. 2 columns.
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- GOLD DREDGING IN 1906.** By J. P. Hutchins. E. & M. J., vol. 83, p. 21. 6 columns.
- DREDGING PLACER GRAVELS.** By A. Lakes. M. & M., vol. 28, p. 577. 10½ columns. I.
- HANDLING PLASTIC MATERIALS IN PLACER WORK BY DREDGE.** M. & M., Dec., 1904, p. 270.
- A NEW METHOD OF DREDGING, APPLICABLE TO SOME KINDS OF MINING OPERATIONS.** By R. W. Raymond. T. A. I. M. E., vol. 8, p. 254.
- DREDGING FOR COAL: A Description of the Method of Mining in the Mission Field, Illustrated by the Use of the Steam Shovel Cableway.** M. & M., Aug., 1901, p. 5. 3 columns.
- DREDGING FOR TIN.** Tin Deposits of the World, p. 199. 8 pages. I.
- DREDGING FOR GOLD IN SOUTHERN RIVER BEDS.** E. & M. J., vol. 63, p. 211. 1 column. I.
- DREDGING BARS.** Min. & Sci. Press, vol. 63, p. 345. 2 columns.
- RIVER DREDGING FOR GOLD.** By R. H. Postlethwaite. Min. & Sci. Press, vol. 75, p. 216. 3½ columns. I.
- GOLD DREDGING IN THE NOME DISTRICT.** By G. P. Grimsley. E. & M. J., vol. 71, p. 785. 2 columns. I.
- GOLD MINING IN THE SEA BOTTOM, NOME, ALASKA.** Min. & Sci. Press, vol. 83, p. 51. 1½ columns. I.
- GOLD DREDGING IN THE KLONDIKE AND ALASKA (1906).** M. & M., vol. 27, p. 182. 1 column.
- DREDGING BRACH GRAVEL DEPOSITS NEAR NOME.** By J. P. Hutchins. E. & M. J., vol. 84, p. 955. 14 columns. I.
- DREDGING AT OTAGO.** T. A. I. M. E., vol. 21, p. 463.
- GOLD DREDGING IN NEW ZEALAND.** E. & M. J., vol. 68, p. 185. 1 column. I.
- GOLD DREDGING IN NEW ZEALAND.** E. & M. J., vol. 66, p. 637. 2½ columns. I.
- GOLD-DREDGING IN OTAGO, NEW ZEALAND.** By F. W. Payne. T. I. M. E., vol. 23, p. 532. 11 pages. I.
- GOLD DREDGES IN SIBERIA.** By A. Foniakoff. E. & M. J., vol. 77, p. 917. 1 column.
- DREDGING FOR GOLD IN NEW ZEALAND.** By R. Payne. E. & M. J., vol. 72, p. 398. 3½ columns. I.
- GOLD DREDGING IN NEW ZEALAND.** By A. C. Perkins. M. & M., vol. 21, p. 350. 3½ columns.
- GOLD DREDGING, 1905.** E. & M. J., vol. 81, p. 122. 7 columns.
- GOLD DREDGING IN AUSTRALIA.** E. & M. J., vol. 66, p. 155. 1 column.
- GOLD DREDGING IN VICTORIA.** E. & M. J., vol. 76, p. 845. ½ column.
- GOLD DREDGING IN BORNEO.** E. & M. J., vol. 69, p. 555. ½ column. I.
- GOLD DREDGING IN BRITISH COLUMBIA: A Description of the Dredging Plants and Methods of Operation Used on the Fraser River.** By R. L. Watson. M. & M., vol. 21, p. 9. 3½ columns.
- GOLD-DREDGING IN CALIFORNIA: Interior Work.** Min. Mag., Jan., 1905, p. 10.
- GOLD DREDGING OPERATIONS IN CALIFORNIA.** By G. P. Grimsley. E. & M. J., vol. 71, p. 823. 3 columns. I.
- GOLD DREDGING IN CALIFORNIA.** By T. J. Barbour. E. & M. J., vol. 71, p. 119. 4 columns.
- GOLD DREDGING AND PROSPECTING.** By R. H. Postlethwaite. Min. Mag., Jan., 1905, p. 5. 20 columns. I.
- GOLD DREDGING: Present Practice.** By R. H. Postlethwaite. M. & M., May, 1903, p. 461.

- GOLD DREDGING: Things which Should be Considered in Installing a Plant; Some of the Difficulties and How They may be Met.** By T. C. Nettleton. M. & M., Apr., 1901, p. 418. 3 columns.
- GOLD DREDGING.** E. & M. J., vol. 67, p. 199. $\frac{1}{2}$ column.
- DREDGING FOR GOLD.** By R. N. Bell. M. & M., vol. 19, p. 380. $1\frac{1}{2}$ columns.
- DREDGING AT OROVILLE.** By L. J. Hohl. E. & M. J., vol. 78, p. 909, $6\frac{1}{2}$ columns, I.; vol. 79, p. 895, 3 columns.
- GOLD DREDGING IN CALIFORNIA.** Min. & Sci. Press, vol. 79, p. 36. 2 columns. I.
- GOLD DREDGING AT OROVILLE, CALIFORNIA.** Min. & Sci. Press, vol. 81, p. 5. 1 column. I.
- A CALIFORNIA GOLD DREDGER.** By R. H. Postlethwaite. Min. & Sci. Press, vol. 81, p. 582. $2\frac{1}{2}$ columns. I.
- SUGGESTIONS ON INLAND GOLD DREDGING.** By A. C. Eteson. Min. & Sci. Press, vol. 81, p. 597, $2\frac{1}{2}$ columns, I.; vol. 82, p. 36, $2\frac{1}{2}$ columns, I.
- NOTES ON GOLD DREDGING (in California).** By R. H. Postlethwaite. T. A. I. M. E., special volume California Mines & Minerals, p. 88. 9 pages. I.
- GOLD DREDGING IN OROVILLE DISTRICT CALIFORNIA.** By L. J. Hohl. Min. & Sci. Press, vol. 90, p. 232, 6 columns; p. 252, $1\frac{1}{2}$ columns; p. 265, $4\frac{1}{2}$ columns, I.
- A LARGE GOLD DREDGER.** Min. & Sci. Press, vol. 90, p. 282. $6\frac{1}{2}$ columns. I.
- GOLD DREDGING IN CALIFORNIA.** Min. & Sci. Press, vol. 91, p. 125, $4\frac{1}{2}$ columns, I.; p. 141, 3 columns, I.; p. 160, $4\frac{1}{2}$ columns, I.; p. 178, 5 columns, I.
- GOLD DREDGING AT BRECKENRIDGE, COLORADO.** By J. W. Neill. Min. & Sci. Press, vol. 93, p. 288. 4 columns. I.
- GOLD DREDGING IN COLOMBIA.** By J. P. Hutchins. E. & M. J., vol. 80, p. 1010. $8\frac{1}{2}$ columns. Map.
- GOLD DREDGING IN MONTANA.** E. & M. J., vol. 77, p. 846. 1 column. I.
- DREDGING FOR FINE GOLD IN IDAHO.** By R. Bell. E. & M. J., vol. 73, p. 241. 4 columns. I.
- DREDGING AND MINING IN BOISE BASIN, IDAHO.** Min. & Sci. Press, vol. 79, p. 149. 2 columns. I.
- GOLD DREDGING IN MONTANA.** By E. B. Braden. E. & M. J., vol. 64, p. 605. $5\frac{1}{2}$ columns. I.
- GOLD-DREDGING PRACTICE AT RUBY, MONTANA.** By J. P. Hutchins. E. & M. J., vol. 83, p. 1223, $7\frac{1}{2}$ columns, I.; vol. 84, p. 69, 11 columns, I.
- DREDGE-WORK IN THE SIBERIAN PLACERS.** By E. D. Levat. E. & M. J., vol. 63, p. 541. 1 column. I.
- GOLD DREDGING IN THE URALS.** By W. H. Shockley. Min. & Sci. Press, vol. 93, p. 228. $2\frac{1}{2}$ columns.
- GOLD-DREDGING IN THE URALS, WITH NOTES ON DREDGING IN SIBERIA.** By W. H. Shockley. T. A. I. M. E., vol. 37, p. 322. 9 pages. I.
- GOLD MINING IN FRENCH GUIANA: Dredging.** Min. & Sci. Press, vol. 33, p. 270. $\frac{1}{2}$ column.
- GOLD DREDGING IN VENEZUELA.** By F. Owen. E. & M. J., vol. 67, p. 529. 1 column. I.
- PEASANTS' DREDGE-BOAT ON THE TURA RIVER.** T. A. I. M. E., vol. 29, p. 13.
- A ROLLER GOLD DREDGE FOR WORK AT NOME.** E. & M. J., vol. 69, p. 623. $\frac{1}{2}$ column. I.
- THE SWEENEY PLACER WORKING MACHINE.** E. & M. J., vol. 65, p. 374. 2 columns. I.
- RECENT GOLD DREDGES.** E. & M. J., vol. 66, p. 729. $2\frac{1}{2}$ columns.
- A NEW FORM OF DREDGE FOR RIVER BED PLACERS.** By J. M. Sweeney. E. & M. J., vol. 64, p. 755. $2\frac{1}{2}$ columns. I.

- THE GOULD SYSTEM OF EXCAVATION.** E. & M. J., vol. 57, p. 436. 1½ columns. I.
- DREDGING MACHINES:** Construction, Capacity, and Cost of Operating Dredging Machines. By John Bogart. Engineering, London, vol. 74, p. 290. 5½ columns. I.
- THE BATES HYDRAULIC DREDGER.** Engineering, London, vol. 71, p. 43. 3 columns. I.
- SAND PUMP DREDGES.** By A. G. Lyster. Engineering, London, vol. 67, p. 789. 2 columns. I.
- THE STEWART RIVER GOLD DREDGE.** By A. W. Robinson. J. C. M. I., vol. 6, p. 214. 10 pages. I.
- PROSPECTING GOLD DREDGE WITH STEEL HULL.** E. & M. J., vol. 76, p. 703. 3½ columns. I.
- IMPROVEMENTS IN GOLD DREDGES.** E. & M. J., vol. 80, p. 246. 1½ columns.
- NEW ZEALAND GOLD DREDGES.** E. & M. J., vol. 81, p. 706. 6 columns. I.
- HYDRAULIC DREDGING.** By F. D. Powers. E. & M. J., vol. 81, p. 759. 8½ columns. I.
- ROBERTS' SILT-ELEVATOR FOR DREDGES.** E. & M. J., vol. 81, p. 556. 1 column. I.
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Long-Wall Mining of Coal

- CONDITIONS FAVORABLE TO LONGWALL WORKING. *Coll. Working & Management*, p. 138. Note.
- LOCATION OF ROOF PRESSURE IN LONGWALL WORKING: The Conditions which Determine whether the System is Practicable or not. *M. & M.*, vol. 19, p. 319, 2½ columns, I.; p. 350, 2 columns, I.
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- A MODIFIED SYSTEM OF LONG WALL WORKING.** E. & M. J., vol. 59, p. 464. ½ column.
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- THE LONGWALL METHOD OF WORKING AS APPLIED TO SEAMS OF MODERATE INCLINATION IN NORTH STAFFORDSHIRE.** By E. B. Wain. T. F. I. M. E., vol. 4, p. 24, 10 pages; p. 514, 3 pages; p. 526, 5 pages.
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- METHODS OF MINING COAL IN MISSOURI.** T. A. I. M. E., vol. 35, p. 912. 4 pages. I.
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- HOT AND COLD BELTS IN MINES. T. A. I. M. E., vol. 7, p. 49.
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POWER: STEAM, WATER, ELECTRICITY, AND GAS

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- THE LOWRY ROCK AND ORE BREAKER. E. & M. J., vol. 52, p. 638. $\frac{1}{2}$ column. I.
- THE BRENNAN ROCK BREAKER. E. & M. J., vol. 41, p. 213. 3 columns. I.
- THE LANCASTER "ROCK-BREAKER" AND ORE CRUSHER. E. & M. J., vol. 43, p. 96, $\frac{1}{2}$ column, I.; p. 345, 1 column, I.
- BLAKE'S STONE-BREAKER WITH ROTARY PICKING TABLE. E. & M. J., vol. 9, p. 241. $1\frac{1}{2}$ columns. I.
- COMBINED STEAM ENGINE AND CRUSHER. Min. & Sci. Press, vol. 33, p. 233. $\frac{1}{2}$ column. I.
- A CHEAP ROCK BREAKER FOR MINERS' USE. Min. & Sci. Press, vol. 32, p. 401. $\frac{1}{2}$ column. I.
- THE HENDY ORE CRUSHER. Min. & Sci. Press, vol. 41, p. 333. $\frac{1}{2}$ column. I.
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- REDUCTION IN THE RAND MINES BY CRUSHERS. Witwatersrand Gold-Fields, p. 425. 3 pages. I.
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- THE BLAKE STONE- AND ORE-BREAKER. Its Invention, Forms and Modifications and Its Importance in Engineering Industries. By W. P. Blake. T. A. I. M. E., vol. 33, p. 988.
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- MINIMUM SIZE OF CRUSHING BY BREAKER. Min. & Sci. Press, vol. 93, p. 183. Note.
- BREAKING PIECE FOR A SWINGING-JAW ROCK BREAKER. By G. E. Brown. T. I. M. & M., vol. 16, p. 195. 2 pages. I.
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Rolls: Construction and Operation

- ROLLS: Pressure Applied by Means of Weighted Levers. Min. & Sci. Press, vol. 33, p. 265. $\frac{1}{2}$ column. I.
- SPEED OF ROLLS, CRUSHING VARIOUS SIZED MATERIAL. E. & M. J., vol. 81, p. 188. Note.

- TO AVOID CHOKING IN ROLLS:** Formula. Min. & Sci. Press, vol. 82, p. 250. Note.
- CRUSHING WITH ROLLS.** By R. K. Humphrey. E. & M. J., Jan. 12, 1905, p. 77. 5 columns. I.
- THEORY OF CRUSHING WITH ROLLS.** T. A. I. M. E., vol. 9, p. 464.
- THE STURTEVANT CENTRIFUGAL ROLLS.** E. & M. J., vol. 69, p. 111. 1 column. I.
- STURTEVANT CENTRIFUGAL CRUSHING ROLLS.** M. & M., Jan., 1903, p. 253. 1½ columns.
- CENTRIFUGAL ROLLS.** M. & M., vol. 20, p. 328. 1½ columns. I.
- SPRINGS ON CRUSHING ROLLS.** By L. Searing. E. & M. J., vol. 79, p. 657. 1½ columns.
- TOOTHED-ROLLS.** T. A. I. M. E., vol. 9, plates I to III.
- MACHINERY FOR BREAKING COAL.** T. A. I. M. E., vol. 19, p. 414.
- THREE-HIGH ROLLS.** By A. L. Holley. T. A. I. M. E., vol. 1, p. 287.
- THE GRANULATION OF IRON-ORE BY MEANS OF CRUSHERS AND ROLLS.** By A. Sahlin. T. A. I. M. E., vol. 21, p. 521.
- SECTIONAL CUSHIONED ROLLS.** By J. W. Pinder. T. A. I. M. E., vol. 28, p. 243.
- THE DAVIS CRUSHING ROLLS.** E. & M. J., vol. 61, p. 159. 1 column. I.
- THE ROGER IMPROVED CRUSHING ROLLS.** E. & M. J., vol. 60, p. 587. 1 column. I.
- CRUSHING ROLLS FOR COAL WASHING PLANT.** Sch. Mines Quart., vol. 17, p. 391. ½ page.
- ORE-DRESSING IN EUROPE: Roll-Crushing.** Sch. Mines Quart., vol. 4, p. 198. 4 pages.
- CORNISH ROLLS OF THE FORT SCOTT MACHINE WORKS.** E. & M. J., vol. 39, p. 245. ½ column. I.
- JACKSON'S IMPROVED CRUSHING ROLLS.** E. & M. J., vol. 40, p. 305. ½ column. I.
- WALL'S CRUSHING ROLLS: Spirally Corrugated Rollers.** Min. & Sci. Press, vol. 56, p. 65. 3 columns. I.
- WILD'S ROUGHING AND FINISHING ROLLS.** Min. & Sci. Press, vol. 60, p. 247. 4 columns. I.
- BOWERS' ROLLER MILL.** Min. & Sci. Press, vol. 61, p. 9. ¼ column. I.
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- WHEN THE CORNISH ROLLS WERE FIRST USED.** E. & M. J., vol. 81, p. 813. Note.
- SOME POINTS IN WET AND DRY CRUSHING BY ROLLS.** By R. B. Lamb. Min. & Sci. Press, vol. 89, p. 141. 1 column.
- ROLLS AS USED IN THE JOPLIN DISTRICT.** Univ. Geol. Surv. of Kans., vol. 8, p. 267. 4 pages. I.
- ANTHRACITE COAL-BREAKING AND SIZING PLANT AT GLYNCASTLE COLLIERY.** By W. D. Wight. T. F. I. M. E., vol. 12, p. 238. 19 pages. I.
- ELEMENTS IN THE DESIGN OF ROLL CRUSHING PLANTS.** By J. Scoley. Min. & Sci. Press, vol. 82, p. 250. 2½ columns.
- CAPACITY OF ROLLS PER HOUR SET AT GIVEN OPENING.** Min. & Sci. Press, vol. 93, p. 683. Note.

Stamp-Mill Practice

- ORIGIN OF THE CALIFORNIA STAMP.** By C. P. Stanford. Min. & Sci. Press, vol. 67, p. 262. 2½ columns.
- BATTERY FRAMES.** Min. & Sci. Press, vol. 70, p. 376. 2 columns. I.
- A CANTILEVER BATTERY FRAME.** By I. C. Boss. E. & M. J., vol. 77, p. 404. 3 columns. I.
- BATTERY FOUNDATIONS.** E. & M. J., vol. 77, p. 877. 1 column.

- LIST OF STAMPS ON RUBBER AND ELASTICITY.** E. & M. J., vol. 75, p. 141. 1 column.
- A BUILT-UP WOODEN-FRAMED STAMP BATTERY.** E. & M. J., vol. 61, p. 541. $\frac{1}{2}$ column. I.
- THE "A" BATTERY FRAME FOR STAMP MILLS.** By R. W. Bartell. M. & M., vol. 20, p. 151. $2\frac{1}{2}$ columns. I.
- THE "A" FRAME BATTERY.** Min. & Sci. Press, vol. 90, p. 252. $1\frac{1}{2}$ columns. I.
- THE HUSBAND PNEUMATIC STAMP USED AT CORNWALL.** E. & M. J., vol. 53, p. 799. $\frac{1}{2}$ column. I.
- ATMOSPHERIC STAMP (STEEDS).** Min. & Sci. Press, vol. 41, p. 205. $\frac{1}{2}$ column. I.
- THE HUNTINGTON OSCILLATING STAMP.** Min. & Sci. Press, vol. 41, p. 237. $\frac{1}{2}$ column. I.
- KENDALL'S ROTARY STAMP.** Min. & Sci. Press, vol. 41, p. 265. $\frac{1}{2}$ column. I.
- DAY'S ATMOSPHERIC STAMP.** Min. & Sci. Press, vol. 45, p. 161. 1 column. I.
- McFARLAND'S PROSPECTING STAMP.** Min. & Sci. Press, vol. 47, p. 161. $1\frac{1}{2}$ columns. I.
- A NEW ROTARY STAMP MILL.** Min. & Sci. Press, vol. 36, p. 193. 3 columns. I.
- THE NISSEN STAMP.** M. & M., vol. 26, p. 170. 2 columns. I.
- NISSEN'S CIRCULAR STAMP MORTAR.** E. & M. J., Jan. 26, 1905, p. 203.
- KENDALL'S OSCILLATING STAMP.** Min. & Sci. Press, vol. 31, p. 161. $\frac{1}{2}$ column. I.
- THE "ELEPHANT ORE STAMP."** Min. & Sci. Press, vol. 37, p. 81. 1 column. I.
- HAND-POWER PROSPECTING STAMP MILL.** Min. & Sci. Press, vol. 38, p. 217. $\frac{1}{2}$ column. I.
- NEW FORM OF STAMP MILL.** Min. & Sci. Press, vol. 35, p. 297. 1 column. I.
- AN IMPROVED STAMP CORNER.** Min. & Sci. Press, vol. 41, p. 9. $\frac{1}{2}$ column. I.
- SINGLE-STAMP MILL.** Min. & Sci. Press, vol. 94, p. 145. $1\frac{1}{2}$ columns; p. 303. $\frac{1}{2}$ column.
- THE HAND-STAMP.** By Gen. J. Barcroft. Min. & Sci. Press, vol. 92, p. 365. $\frac{1}{2}$ column. I.
- AN INGENUOUS STAMP-MILL.** By L. Fogle and R. Leonard. Min. & Sci. Press, vol. 93, p. 319. 2 columns. I.
- CANTILEVER STAMP BATTERY.** Min. & Sci. Press, vol. 92, pp. 104 and 105. $\frac{1}{2}$ column. I.
- A MODERN STAMP-MILL.** Min. & Sci. Press, vol. 92, p. 300. $\frac{1}{2}$ column. I.
- ORIGIN OF THE CALIFORNIA STAMP.** Min. & Sci. Press, vol. 76, p. 107. $3\frac{1}{2}$ columns. I.
- THE CORNISH STAMP MILL.** By C. M. Myrick. Min. & Sci. Press, vol. 83, p. 326. 2 columns. I.
- THE MODEL BATTERY OF 1895.** Min. & Sci. Press, vol. 70, p. 329. $\frac{1}{2}$ column. I.
- STEEL FRAME STAMP BATTERY.** Min. & Sci. Press, vol. 71, p. 265. 3 columns. I.
- BATTERY FRAMES.** Min. & Sci. Press, vol. 75, p. 345. 3 columns. I.
- A HIGH-SPEED BATTERY.** Min. & Sci. Press, vol. 75, p. 92.
- INNOVATION IN STAMP PRACTICE.** Min. & Sci. Press, vol. 75, p. 168. $\frac{1}{2}$ column.
- A NOVEL QUARTZ MILL: Stamp.** Min. & Sci. Press, vol. 88, p. 43. 2 columns. I.
- TWO-STAMP AND THREE-STAMP MILLS.** Min. & Sci. Press, vol. 77, p. 305. 1 column. I.

- A CALIFORNIA STAMP MILL.** Min. & Sci. Press, vol. 70, p. 198. 2½ columns.
- SMALL BATTERIES.** Min. & Sci. Press, vol. 44, p. 195. ¾ column.
- "FLOAT BATTERIES."** Min. & Sci. Press, vol. 16, p. 105. ¾ column. I.
- STAMP BATTERIES: Round and Square Stamps, etc.** Min. & Sci. Press, vol. 25, p. 194. ¾ column.
- THE TRIP HAMMER QUARTZ MILL: Stamp.** Min. & Sci. Press, vol. 23, p. 105. ¾ column. I.
- CALIFORNIA BATTERY IN EUROPE.** Min. & Sci. Press, vol. 27, p. 353. 1½ columns. I.
- LIGHT STAMPS NOT THE BEST.** Am. Jour. Min., vol. 2, p. 217. ¾ column.
- DART'S IMPROVED STAMPS.** Am. Jour. Min., vol. 2, p. 81. ¾ column. I.
- THE PARNALL KRAUSE STAMP MILL MORTAR.** E. & M. J., vol. 73, p. 488. 3 columns. I.
- THE SHARPNECK STAMP.** E. & M. J., vol. 37, p. 445. 1 column. I.
- COMPARATIVE TABLE OF STAMP MILLS, GIVING GENERAL CHARACTERISTICS OF SIX OF THE PRINCIPAL GOLD-MINING CENTERS.** T. F. I. M. E., vol. 7, p. 108. Table.
- GRAVITATION STAMP MILLS FOR QUARTZ CRUSHING.** By D. B. Morison. Engineering, London, vol. 63, p. 624, 4 columns, I.; p. 661, 5½ columns, I.; p. 791, 1 column.
- A DEVELOPMENT IN GRAVITATION STAMP MILLS.** By D. B. Morison and D. A. Bremner. T. I. M. & M., vol. 8, p. 156.
- A BODIE GOLD STAMP MILL.** By R. G. Brown. E. & M. J., vol. 61, p. 615. 3½ columns. I.
- GRAVITY STAMPS.** M. & M., Aug., 1903, p. 39.
- THE PACHUCA STAMP-BATTERY AND ITS PREDECESSORS.** By M. P. Boss. T. A. I. M. E., vol. 32, p. 244.
- MERRALL'S STAMP MILL.** E. & M. J., Jan. 26, 1905, p. 202.
- A PRIMITIVE STAMP MILL.** E. & M. J., vol. 67, p. 531. ¾ column. I.
- MORISON'S HIGH SPEED STAMP MILL.** E. & M. J., vol. 65, p. 705. 1½ columns. I.
- THE ELEPHANT (Spring) STAMP.** E. & M. J., vol. 32, p. 41. 1 column. I.
- STAMP MILL CONSTRUCTION.** E. & M. J., Feb. 23, 1905, p. 374. ¾ column.
- NOTES ON STAMP-BATTERY CONSTRUCTION.** By C. G. W. Lock. T. I. M. & M., vol. 9, p. 310. 2½ pages. I.
- THE HUSBAND OSCILLATING STAMP IN CORNWALL.** E. & M. J., vol. 38, p. 329. ¾ column.
- SPECIFICATIONS FOR BATTERY-FRAMES, BLOCKS (Mortar), etc.** Min. & Sci. Press, vol. 72, p. 186. ¾ column.
- SPECIFICATIONS FOR A 40-STAMP GOLD MILL.** Min. & Sci. Press, vol. 72, p. 165, 4½ columns; p. 206, 2 columns.
- THE DUTY OF STAMP MILLS IN CRUSHING AND AMALGAMATION.** By C. DeKalb. J. C. M. I., vol. 4, p. 190. 5 pages.
- INFLUENCE OF THE VELOCITY ON THE EFFECTIVE DUTY OF STAMPS.** By W. Main. E. & M. J., vol. 15, p. 241. 2 columns.
- STAMP DUTY AND CONSUMPTION OF WATER AT FALUN, SWEDEN.** Min. & Sci. Press, vol. 31, p. 265. Note.
- DUTY OF STEAM STAMPS.** E. & M. J., vol. 78, p. 918. Note.
- INFLUENCE OF THE VELOCITY OF IMPACT ON THE EFFECTIVE DUTY OF STAMPS.** Min. & Sci. Press, vol. 26, p. 290. 1½ columns.
- STAMP MILL CAPACITY.** Min. & Sci. Press, vol. 91, p. 444. ¾ column.
- STAMP MILL CAPACITY.** Min. & Sci. Press, vol. 90, p. 239. 2 columns.

- THE DUTY OF A STAMP MILL. Min. & Sci. Press, vol. 87, p. 381. $2\frac{1}{2}$ columns.
- ORDER OF DROP OF STAMPS. Min. & Sci. Press, vol. 87, p. 306. $\frac{1}{2}$ column.
- STAMP MORTARS. M. & M., Apr., 1903, p. 424. 3 columns.
- SOME ACCESSORY STAMP-MILL APPLIANCES. By G. O. Smart. E. & M. J., vol. 83, p. 471. $2\frac{1}{2}$ columns. I.
- THE SIZE OF A STAMP-SHOE. Min. & Sci. Press, vol. 93, p. 50. $\frac{1}{2}$ column.
- ESTIMATE OF SUPPLIES NEEDED TO RUN A 10-STAMP MILL FOR ONE MONTH. Min. & Sci. Press, vol. 94, p. 33 (? 825). $\frac{1}{2}$ column.
- STAMP-MILL PRACTICE: Order of Drop of Stamp. Min. & Sci. Press, vol. 77, p. 352. $\frac{1}{2}$ column.
- VIBRATION IN BATTERIES. By B. Waites. Min. & Sci. Press, vol. 86, p. 411. $1\frac{1}{2}$ columns.
- BREAKAGE AND WEAR IN A 240-STAMP MILL, ALASKA-TREADWELL. Min. & Sci. Press, vol. 85, p. 20. Note.
- THE BREAKAGE OF STAMP STEMS. By M. P. Boss. Min. & Sci. Press, vol. 86, p. 102. 1 column.
- SOME VARIETIES OF WOOD BATTERY GUIDES. By W. J. Sharwood. Min. & Sci. Press, vol. 88, p. 242. $3\frac{1}{2}$ columns. I.
- CONNECTING THE APRON AND BATTERY. Min. & Sci. Press, vol. 59, p. 101. 2 columns. I.
- THE WEIGHT OF STAMPS IN QUARTZ BATTERIES. Min. & Sci. Press, vol. 51, p. 373. $\frac{1}{2}$ column.
- STAMPS. Min. & Sci. Press, vol. 52, p. 157. 1 column.
- A NEW CIRCULAR STAMP BATTERY. Min. & Sci. Press, vol. 52, p. 253. 1 column. I.
- GOLD-MILLING MORTARS. Min. & Sci. Press, vol. 60, p. 169. 2 columns. I.
- CURVE OF QUARTZ-MILL CAMS. Min. & Sci. Press, vol. 47, p. 168. $\frac{1}{2}$ column.
- JAMES RECIPROCATING (Rocking) STAMP. Min. & Sci. Press, vol. 53, p. 277. $\frac{1}{2}$ column. I.
- THE ECONOMIC ROTARY STAMP. Min. & Sci. Press, vol. 54, p. 265. 1 column. I.
- THE DOUBLE ECONOMIC STAMP. Min. & Sci. Press, vol. 55, p. 209. $\frac{1}{2}$ column. I.
- THE "BALLY" CAM FOR STAMP MILLS. Min. & Sci. Press, vol. 66, p. 84. $\frac{1}{2}$ column.
- THE COLEMAN TAPPET. Min. & Sci. Press, vol. 41, p. 109. $\frac{1}{2}$ column. I.
- DRAWING OF INVOLUTE FOR STAMP CAM OR CAGE DOG. Coll. Engr., vol. 13, p. 153. $\frac{1}{2}$ column. I.
- THE NEWTON MORTAR (750 Pound Stamp). By F. T. Snyder. E. & M. J., vol. 58, p. 511. $\frac{1}{2}$ column. I.
- HAMMOND'S IMPROVED CAM AND TAPPET. Min. & Sci. Press, vol. 27, p. 225. 1 column. I.
- COCHRANE'S IMPROVED CAM. Min. & Sci. Press, vol. 35, p. 81. $\frac{1}{2}$ column. I.
- RALEIGH'S BALANCED CAM FOR STAMP BATTERIES. E. & M. J., vol. 54, p. 107. $1\frac{1}{2}$ columns. I.
- THE KRAUSE ATMOSPHERIC STAMP. E. & M. J., vol. 77, p. 769. $3\frac{1}{2}$ columns. I.
- MORTAR BLOCKS. Min. & Sci. Press, vol. 89, p. 187. $\frac{1}{2}$ column.
- BREMNER'S MORTAR BOX FOR STAMP MILLS. E. & M. J., vol. 80, p. 1063. $1\frac{1}{2}$ columns. I.
- BATTERY FOUNDATIONS. E. & M. J., vol. 78, p. 421. 2 columns.
- STAMP TAPPETS. By M. P. Boss. E. & M. J., vol. 78, p. 584. 2 columns. I.
- WEAR OF SHOES AND DIES IN STAMP-MILLS. T. F. I. M. E., vol. 7, p. 107.
- ANVIL BLOCKS FOR MORTARS. E. & M. J., vol. 78, p. 146. 1 column. I.
- STAMP-BATTERY SCREENS. M. & M., June, 1903, p. 520. 2 columns.

- STAMP CAMS AND CAM-SHAFTS:** A Description of the Different Forms of Cams and Methods of Fastening them to the Shaft; Construction of Shaft. M. & M., Sept., 1903, p. 74. 2½ columns. I.
- GUIDES FOR STAMPS.** M. & M., Mar., 1903, p. 373. 2 columns.
- STAMP-GUIDES:** The MacDonough Type. T. A. I. M. E., vol. 33, p. 518.
- WEIGHT OF STAMP, DROP, SPEED, AND AMOUNT OF TURN OF STAMPS IN VARIOUS MILLS.** T. A. I. M. E., vol. 23, p. 568.
- ON THE WEIGHT, FALL, AND SPEED OF STAMPS.** By H. S. Mudroe. T. A. I. M. E., vol. 9, p. 84.
- THE NORDBERG COMPOUND STEAM STAMP.** E. & M. J., vol. 84, p. 349. 7 columns. I.
- NOTES ON STEAM AND OTHER STAMPS.** Min. & Sci. Press, vol. 78, p. 232. 3½ columns.
- IMPROVED STEAM STAMP MILL.** E. & M. J., vol. 6, p. 401. 1½ columns. I.
- WILSON'S PATENT STEAM STAMP-MILL.** E. & M. J., vol. 5, p. 17. ¾ column. I.
- DIRECT-ACTING STEAM STAMP MILL.** Am. Jour. Min., vol. 7, p. 289. 2 columns. I.
- THE FIRST STEAM STAMP: Where Used.** E. & M. J., vol. 79, p. 707. Note.
- STEAM STAMP FOR THE TAMARACK MILL, MICHIGAN.** E. & M. J., vol. 67, p. 237. 1½ columns. I.
- THE WOOD STEAM STAMP.** E. & M. J., vol. 68, p. 491. 2 columns. I.
- STEAM STAMPS, LAKE SUPERIOR.** M. & M., July, 1903, p. 538.
- NOTES ON THE STEAM STAMP.** By F. G. Coggin. E. & M. J., vol. 41, p. 210, 1½ columns; p. 232, 4½ columns. I.
- THE BALL STEAM STAMP.** Min. & Sci. Press, vol. 34, p. 345. 3½ columns. I.
- THE WILSON PATENT STEAM STAMP.** Min. & Sci. Press, vol. 19, p. 305. 2 columns. I.
- GIANT CRUSHING OF COPPER ORE:** Steam Stamp of 700 Tons Capacity. By A. S. Atkinson. M. & M., vol. 26, p. 346. 2½ columns.
- DIRECT STEAM ORE STAMPS.** By C. H. Fitch. Min. & Sci. Press, vol. 87, p. 25. 2 columns.
- STEAM STAMPS AT THE BALTIC MILL, LAKE SUPERIOR.** T. A. I. M. E., vol. 14, p. 191. 1½ pages.
- STAMP MILLS OF LAKE SUPERIOR.** By J. F. Blandy. T. A. I. M. E., vol. 2, p. 208.
- STAMP MILLING PRACTICE IN NOVA SCOTIA, AND THE ADVANTAGE OF INTRODUCING WATER UNDER PRESSURE BELOW THE CRUSHING SURFACES IN THE GOLD STAMP MILL.** By M. R. O'Shaughnessy. J. M. Soc. N. S., vol. 8, p. 110. 12 pages. I.
- MORE NOTES ON STAMP MILL PRACTICE.** By C. DeKalb. J. C. M. I., vol. 9, p. 64. 8 pages.
- HIGH STAMP DUTY IN GOLD MILLING.** By A. M. Johnston. E. & M. J., vol. 82, p. 1016. 2½ columns.
- THE STAMP MILL OF THE PALMER MOUNTAIN MILL.** E. & M. J., vol. 82, p. 1081. 2 columns. I.
- NOTES ON STAMP MILL PRACTICE.** By C. DeKalb. E. & M. J., vol. 82, p. 245. 6½ columns.
- EXPERIENCES IN STAMP-MILLS.** By A. Del Mar. Min. & Sci. Press, vol. 93, p. 138. 3 columns. I.
- STAMPS: Minas Prietas Reduction Works.** By M. R. Lamb. Min. & Sci. Press, vol. 93, p. 147. 3 columns. I.
- THE EVOLUTION OF THE 500-STAMP MILL ON DOUGLAS ISLAND, ALASKA.** By H. Watson. Min. & Sci. Press, vol. 80, p. 668. 2½ columns.
- LOCATION, COST, AND CAPACITY OF COMSTOCK STAMP MILLS.** Min. & Sci. Press, vol. 34, p. 81. ¾ column.
- INNOVATIONS IN STAMP PRACTICE.** Min. & Sci. Press, vol. 75, p. 220. 1½ columns.

- DIVERTING BATTERY-DISCHARGE DURING CLEAN-UP. Min. & Sci. Press, vol. 93, p. 566. $\frac{1}{2}$ column.
- DATA FOR STAMP BATTERY PRACTICE, ELKHORN MINE, MONTANA. U. S. G. S., 22d Ann. Rept., pt. 2, p. 416. Table.
- CRUSHING TIN ORE AT THE DOLCOATH TIN MINES: Stamps and Huntington Mills. Tin Deposits of the World, p. 186. $1\frac{1}{2}$ pages.
- NOTES ON CRUSHING OF METALLIFEROUS ORES IN THE STAMP BATTERY IN AFRICA. By F. O. Roberts. Min. & Sci. Press, vol. 89, p. 425, 2 columns; p. 436, $2\frac{3}{4}$ columns, I.; vol. 90, p. 10, $2\frac{1}{2}$ columns; p. 21, $2\frac{1}{2}$ columns.
- BEST STAMP MILL PRACTICE ON LOW GRADE ORES. Min. & Sci. Press, vol. 86, p. 19. Note.
- THE NISSEN STAMP MILL: Said to be the Largest Capacity Gravity Stamp Mill in the World. By P. N. Nissen. M. & M., vol. 27, p. 71. 2 columns. I.
- PROPOSED CHANGE IN STAMP MILL PRACTICE. Min. & Sci. Press, vol. 76, p. 228. 2 columns. I.
- STAMP MILL WORK. By J. Scobey. Min. & Sci. Press, vol. 83, p. 118. 3 columns. I.
- HORSEPOWER REQUIRED FOR 20-STAMP MILL. Min. & Sci. Press, vol. 80, p. 376. $\frac{1}{2}$ column.
- CRUSHING QUARTZ: Stamps vs. Rotary Pulverizers. Min. & Sci. Press, vol. 56, p. 18. $4\frac{1}{2}$ columns.
- LIMITATIONS OF THE GOLD STAMP MILL. By P. Argall. Min. & Sci. Press, vol. 68, p. 133. 3 columns.
- CERTAIN STAMP MILL PRACTICES. By J. W. Abbott. Min. & Sci. Press, vol. 74, p. 5. $1\frac{1}{2}$ columns.
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ROPES FOR MINING PURPOSES

Kinds of Wire Rope, Methods of Manufacture, etc.

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- HOISTING-ROPES.** By R. Peele. M. & M., vol. 20, p. 351. 5 columns.
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- NOTES ON STOPE BOX SAMPLING.** By W. Bradford. P. C. M. & M. Soc. S. A., vol. 6, p. 153, 13 columns; p. 194, 2½ columns; p. 224, 2 columns; p. 339, 4 columns.
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- SAMPLING AND ASSAYING OF ORES FROM THE COBALT DISTRICT.** By F. F. Colcord. E. & M. J., vol. 82, p. 1164. 1½ columns.
- THE SAMPLING OF ORES CONTAINING METALLICS.** By C. C. Sample. E. & M. J., vol. 82, p. 362. 3½ columns.
- ACCURACY OF COMMERCIAL SAMPLES AND ASSAYS.** By E. H. Simons. Min. & Sci. Press, vol. 88, p. 9, 1½ columns; p. 27, 1½ columns.
- SAMPLING ORES FOR ASSAY.** By F. D. Smith. Min. & Sci. Press, vol. 76, p. 492. 1 column+.
- RELATION OF SIZE OF GRAIN TO GOLD CONTENT.** Min. & Sci. Press, vol. 67, p. 277. Table.
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- NOTES ON SAMPLING.** By H. R. Wood. Sch. Mines Quart., vol. 13, p. 364. 4 pages.
- EXPERIMENTS IN THE SAMPLING OF SILVER-LEAD BULLION.** By G. M. Roberts. T. A. I. M. E., vol. 28, p. 413.
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- NOTES ON THE SAMPLING OF ARGENTIFEROUS AND AURIFEROUS LEAD, WITH DIAGRAMS ILLUSTRATING THE UNEQUAL DISTRIBUTION (Segregation) OF THE PRECIOUS METALS.** By A. C. Claudet. T. I. M. & M., vol. 6, p. 29.
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- SAMPLING CERTAIN ORES.** By W. W. Taylor. E. & M. J., vol. 63, p. 160. ½ column.

- FINE GRINDING BY BALL MILLS IN AUSTRALIA. M. & M., vol. 27, p. 334. $\frac{1}{2}$ column.
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- THE ARRASTRA IN THE METALLURGY OF GOLD.** E. & M. J., vol. 54, p. 626. 1 column.
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- TREATMENT OF GOLD IN THE ARRASTRA.** By T. Egleston. Sch. Mines Quart., vol. 8, p. 126. 10 pages.

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SIGNALING IN MINES

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- A TELEPHONE FOR USE IN MINES. E. & M. J., vol. 75, p. 862. $1\frac{1}{2}$ columns. I.
- MINE AND MILL TELEPHONES. M. & M. May, 1901, p. 470. 1 column.
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SURVEYING

Surveying Instruments

- HISTORY OF SOLAR SURVEYING INSTRUMENTS. By J. B. Davis. T. A. I. M. E., vol. 30, p. 803.
- MINE-SURVEYING INSTRUMENTS. By D. D. Scott. T. I. M. E., vol. 28, p. 624. 60 pages. I.
- NOTES UPON ANCIENT AND MODERN SURVEYING AND SURVEYING INSTRUMENTS, BOOKS, TABLES, ETC. By H. D. Hoskold. T. I. M. E., vol. 19, p. 171, 70 pages, I.; vol. 24, p. 498, 25 pages.
- A NEW INSTRUMENT FOR UNDERGROUND SURVEYING: Station Locator. Min. & Sci. Press, vol. 42, p. 173. 1 column. I.
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- ADDITIONAL REMARKS ON SURVEYING INSTRUMENTS. By H. D. Hoskold. T. A. I. M. E., vol. 35, p. 322. 4 pages. I.
- A SIMPLE AND CONVENIENT INSTRUMENT FOR MINE SURVEYS. By F. Robbins. J. C. M. I., vol. 4, p. 99. 8 pages. I.
- MINE-SURVEYING INSTRUMENTS. By D. D. Scott. T. I. M. E., vol. 23, p. 575. 48 pages. I.
- IMPERFECTIONS IN SURVEYING INSTRUMENTS. By J. H. Harden. T. A. I. M. E., vol. 7, p. 308.
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- BRATHUHU MEASURING WHEEL FOR DETERMINING THE DEPTH OF PERPENDICULAR SHAFTS.** M. & M., vol. 19, p. 70. ½ column. I.
- REPAIRING BROKEN CROSS-WIRES.** Min. & Sci. Press, vol. 92, p. 110. ½ column.
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- SURVEYORS' TAPE SPLICE.** M. & M., May, 1904, p. 491. ½ column. I.
- A MEASURING TAPE AND ITS USE IN MINE-SURVEYING.** By S. J. Politser. T. I. M. E., vol. 25, p. 17. 8 pages.
- THE GRADIENT-TELEMETER LEVEL.** E. & M. J., vol. 59, p. 176. 1 column. I.
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- MACDONALD'S HYDROSTATIC LEVEL.** Min. & Sci. Press, vol. 47, p. 129. 3 columns. I.
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- SUPPORT FOR SURVEYING INSTRUMENTS—SHAFT OR TRANSIT BAR.** M. & M., vol. 20, p. 463. ½ column.
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- VAN SLOOTEN'S MINERS' COMPASS.** E. & M. J., vol. 71, p. 149. 2 columns. I.
- THE MINING COMPASS AND TRIGONOMETRETER.** By E. G. Gaertner. T. A. I. M. E., vol. 14, p. 870.
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- CORRECTION FOR SIDE- AND TOP-TELESCOPES. M. & M., Jan., 1903, p. 284; Apr., 1904, p. 437.
- AUXILIARY TELESCOPES FOR MINING TRANSITS. T. A. I. M. E., vol. 31, pp. 97 and 98.
- THE USE OF THE UPPER TELESCOPE. By H. W. Althouse. Coll. Engr., vol. 12, p. 199. 1½ columns. I.
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- RAPID TRAVERSER. By J. Henderson. T. F. I. M. E., vol. 5, p. 199. 4 pages. I.
- NOTE CONCERNING AN OLD INSTRUMENT FOR FINDING DISTANCES, EXHIBITING THE OLDEST KNOWN FORM OF THE TRANSIT-THEODOLITE PRINCIPLE. By H. D. Hoskold. T. A. I. M. E., vol. 34, p. 317.
- HULBERT'S ORIGINAL SIDE-TELESCOPE TRANSIT. T. A. I. M. E., vol. 30, p. 792.
- PETHERICK'S MINE TRANSIT WITH THE FIRST OR TOP-AUXILIARY TELESCOPES. T. A. I. M. E., vol. 30, p. 788.
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- AN ECCENTRIC THEODOLITE. By F. L. Vinton. T. A. I. M. E., vol. 1, p. 63.
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- THE VERSCHOYLE POCKET TRANSIT. By W. D. Verschoyle. E. & M. J., vol. 83, p. 427. 3 columns. I.
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- A NEW POCKET-TRANSIT. By W. D. Verschoyle. T. I. M. E., vol. 32, p. 165. 7 pages. I.
- A HAND-TELESCOPE FOR STADIA-WORK. By R. H. Richards. T. A. I. M. E., vol. 20, p. 732.
- ADDITIONAL NOTES ON THE PRISMATIC STADIA-TELESCOPE. By R. H. Richards. T. A. I. M. E., vol. 21, p. 993.
- A NEW STADIA DIAGRAM. By M. A. Knapp. E. & M. J., vol. 66, p. 219. 2½ columns. I.
- A SLIDING STADIA ROD. By G. Thompson. Sch. Mines Quart., vol. 19, p. 302. 3 pages. I.
- STADIA LINES. By H. D. Taylor. Engineering, London, vol. 75, p. 533. 1½ columns. I.
- STADIA SURVEYING IN FIELD AND OFFICE. By C. Oldknow. Coll. Engr. & Met. Miner, vol. 14, p. 261. 2½ columns. I.

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- THE DIPPING NEEDLE AND THE MINERS' COMPASS.** By W. A. Smith. E. & M. J., vol. 60, p. 52. 5½ columns. I.
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- THE CONSTRUCTION AND USE OF THE DIPPING NEEDLE.** By D. T. Marshall. E. & M. J., vol. 53, p. 566. 1 column.
- HENDERSON'S RAPID TRAVERSER.** M. & M., vol. 25, p. 555. 2½ columns. I.
- THE BAROMETER IN MINING: The Possibilities and Importance of the Use of this Instrument in Guarding Against Gas in Mines.** By F. Z. Schellenberg. M. & M., Feb., 1902, p. 319. 1½ columns.
- LIGHTS IN MINE SURVEYING.** By T. Lane Carter. E. & M. J., vol. 68, p. 214. ½ column.
- Magnetic Surveys**
- THE ACTION OF ELECTRIC CURRENTS ON MINE-SURVEYING INSTRUMENTS.** Min. & Sci. Press, vol. 72, p. 169. ½ column. By W. Lenz. E. & M. J., vol. 61, p. 377. 1 column.
- MAGNETIC OBSERVATIONS IN THE TAMARACK MINE, MICHIGAN.** Min. & Sci. Press, vol. 92, p. 160. ½ column.
- PRACTICAL USE OF MAGNETIC ATTRACTIONS.** By V. S. Hillyer. T. L. S. M. I., vol. 10, p. 48. 12 pages. I.
- DECLINATION AND VARIATION OF THE MAGNETIC NEEDLE.** M. & M., vol. 20, p. 189. Map.
- MAGNETIC DECLINATION AND ITS VARIATIONS.** By H. Stroud. T. F. I. M. E., vol. 7, p. 268. 7 pages.
- MAGNETIC DECLINATION IN MINES.** By J. Henderson. T. F. I. M. E., vol. 8, p. 273. 3 pages.
- TIBERG'S MAGNETIC INCLINATION SCALE.** By E. A. Sjöstedt. J. M. Soc. N. S., vol. 2, p. 117. 14 pages. I.
- MAGNETIC SURVEYING IN SWEDISH IRON MINES.** Engineering, London, vol. 66, p. 469. 8 columns. I.
- ERRORS IN MAGNETIC BEARINGS.** M. & M., vol. 18, p. 148. 2 columns.
- THE MAGNETIC SURVEY OF GREAT BRITAIN: Effect of Coal-Fields; Effect of Basalt; Effect of Faults.** T. F. I. M. E., vol. 9, p. 417. 10 pages. I.
- THE DETERMINATION OF, AND USE OF, THE MAGNETIC MERIDIAN IN MINE-SURVEYING.** By R. F. Percy. T. F. I. M. E., vol. 12, p. 581. 4 pages. I.
- SEARCHING FOR ORE DEPOSITS WITH DIPPING NEEDLE.** E. & M. J., vol. 60, p. 52. I.
- THE USE OF MAGNETIC INSTRUMENTS IN EXPLORING FOR IRON ORE.** By G. Nordenstrom. E. & M. J., vol. 66, p. 337. 2 columns. I.
- THE USE OF THE MAGNETIC NEEDLE IN SEARCHING FOR MAGNETIC IRON ORE.** By J. C. Smock. T. A. I. M. E., vol. 4, p. 353.
- MAGNETIC OBSERVATIONS IN GEOLOGICAL MAPPING.** By H. L. Smith. T. A. I. M. E., vol. 26, p. 640.
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- THE GEOLOGICAL SURVEY OF CANADA AS AN EDUCATIONAL INSTITUTION. By T. L. Walker. J. C. M. I., vol. 7, p. 435. 16 pages.
- THE ADVANTAGES OF COMBINING TOPOGRAPHICAL WITH GEOLOGICAL SURVEYING IN UNEXPLORED REGIONS. By R. Bell. J. C. M. I., vol. 8, p. 56. 2 pages +.
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- H. & B. SUNFLOWER TUNNEL CROSS-SECTIONER.** T. A. I. M. E., vol. 31, p. 100.
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Shaft-Plumbing

- GRAVITATIONAL OR MECHANICAL (Shaft) PLUMBING.** T. I. M. E., vol. 28, p. 655. 18 pages. I.
- DIFFICULTIES OF SURVEYING DEEP SHAFTS.** E. & M. J., vol. 83, p. 323. 1½ columns.

- A NEW METHOD OF SHAFT CONNECTION (Surveying). By H. Briggs. E. & M. J., vol. 84, p. 488. $4\frac{1}{2}$ columns. I.
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TUNNELING

Methods of Tunneling

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- THE COCHEM TUNNEL, PRUSSIA.** By F. Rsiha. E. & M. J., vol. 25, p. 390. ½ column.
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- THE CITY AND SOUTH LONDON RAILROAD, WITH SOME REMARKS UPON SUBAQUEOUS TUNNELING BY SHIELD AND COMPRESSED AIR.** By J. H. Greathead. J. W. Soc. E. vol. 1, p. 543. 14 pages. I.
- THE CHANNEL TUNNEL.** By J. R. Haines. T. N. S. I. M. & M. E., vol. 7, p. 16. 14 pages. I.
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- THE PRICE ELECTRICAL EXCAVATOR. T. I. M. E., vol. 26, p. 405. 2 pages. I.
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- THE IMPROVED STANLEY HEADER. Coll. Engr. & Met. Miner, vol. 14, p. 132. 2 columns. I.
- USE OF THE STANLEY HEADER IN COAL MINE DEVELOPMENT. T. I. M. E., vol. 26, p. 538. 6 pages. I.
- THE INGERSOLL-SERGEANT HEADING MACHINES. T. I. M. E., vol. 31, p. 365. 8 pages. I.
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Subways

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MINE VENTILATION

Methods of Ventilating Mines. Splitting Air-Currents, etc.

CHEMISTRY RELATING TO MINE VENTILATION. Coll. Engr., vol. 12, p. 65, 2½ columns; p. 89, 1½ columns; p. 113, 1 column; p. 138, 1½ columns.

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FURTHER REMARKS ON SAME. T. N. S. I. M. & M. E., vol. 8, p. 67, 3 pages; p. 119, 14 pages.

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- MINE VENTILATION MADE EASY. By W. Fairley. Coll. Engr., vol. 13, p. 185, $3\frac{1}{2}$ columns, I.; p. 209, $6\frac{1}{2}$ columns, I.; p. 233, $2\frac{1}{2}$ columns, I.; p. 261, 2 columns, I.; p. 289, $1\frac{1}{2}$ columns, I.; vol. 14, p. 21, 2 columns; p. 49, 2 columns; p. 77, 2 columns; p. 105, 4 columns; p. 133, 3 columns; p. 161, 2 columns; p. 189, 5 columns; p. 202, 4 columns; p. 258, 5 columns.
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- CONDITIONS IN MINE VENTILATION. M. & M., vol. 21, p. 234. $2\frac{1}{2}$ columns.
- REMOVING A BODY OF GAS FROM MINE WORKINGS. M. & M., vol. 21, p. 88. $1\frac{1}{2}$ columns.
- A NEW DIAGRAM OF THE WORK OF MINE-VENTILATION. By H. W. G. Holbaum. T. I. M. E., vol. 22, p. 484. 8 pages. I.
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- A DEVICE WHEREBY WORK CAN BE CARRIED ON IN A PIT OR WELL OR OTHER DEPRESSION FILLED WITH FOUL OR POISONOUS GASES. T. A. I. M. E., vol. 4, p. 30.
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- VENTILATION AND WORKINGS OF SLOPES NOS. 4 AND 5 PRATT MINES DIVISION.** T. A. I. M. E., vol. 19, p. 312.
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- SPLITTING: Natural Division of Air.** M. & M., Aug., 1901, p. 45.
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- Mechanical Ventilators: Fans, Their Construction and Use**
- WIDTH OF FAN BLADE.** M. & M., July, 1902, p. 569.
- SIZE AND WIDTH OF MINE FANS.** M. & M., Aug., 1901, p. 42.
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- A NEW STEEL VENTILATING FAN.** E. & M. J., vol. 82, p. 1123. 2 columns. I.

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- NOTES ON FANS. By W. H. Booth. Coll. Engr. & Met. Miner, vol. 12, p. 149. 1 column. I.
- CLOSED VS. OPEN FANS. Coll. Engr., vol. 11, p. 110. Table.
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- AN IMPROMPTU VENTILATING FAN. By O. E. Stone. M. & M., vol. 19, p. 386. ½ column. I.
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- THE FAN FOR THE NEWCASTLE COAL MINES, COLORADO: Construction. Coll. Engr. & Met. Miner, vol. 17 p. 426. I.
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Measurement of Air-Currents

DIRECT MEASUREMENT OF THE VELOCITY OF GAS-CURRENTS WITH PITOT TUBES. T. I. M. E., vol. 31, p. 708. 1½ pages.

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- FAN-BLOWER DESIGN.** E. & M. J., vol. 82, p. 795. $1\frac{1}{2}$ columns.
- THE STURTEVANT ROTARY BLOWER.** E. & M. J., vol. 81, p. 365. 4 columns. I.
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- THEORY AND DESIGN OF CENTRIFUGAL VENTILATORS.** T. A. I. M. E., vol. 20, p. 637.
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- Effect of Size and Shape of Air-Way on Ventilation, etc.**
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- TABLES OF VOLUMES THROUGH AIRWAYS: Cubic Feet per Minute.** E. & M. J., vol. 84, p. 82. Table.
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- QUANTITY OF AIR CONSUMED BY:**
 Workman with lamp, 240 cubic yards air in 24 hours; Horse, 850 cubic yards air in 24 hours; 1 Pound Gunpowder, 100 cubic yards air; 1 Pound Dynamite, 150 cubic yards air. Tunneling, C. Prelini, p. 295. Table.

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- VENTILATING THE ELKHORN TUNNEL. E. & M. J., vol. 72, p. 6. $\frac{1}{2}$ column.
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WATER

Sources and Supplies of Water

- WATER RESOURCES OF NEVADA. By H. Thurtell. Min. & Sci. Press, vol. 94, p. 661. $5\frac{1}{2}$ columns. I.
- THE GENESIS OF MINERAL WATERS. By E. A. Ritter. E. & M. J., vol. 82, p. 869. 6 columns.
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- NOTES ON THE POTABLE WATERS OF MEXICO. By Ellen H. Richards. T. A. I. M. E., vol. 32, p. 335.
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- DETAILS OF MODERN WATER WORKS CONSTRUCTION. By W. C. Foster. Sch. Mines Quart., vol. 15, p. 89, 14 pages, I.; p. 230, 14 pages, I.; vol. 16, p. 135, 11 pages, I.; p. 327, 12 pages, I.
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- A "MINERS' INCH" ANALOGOUS TO AN AMPERE.** E. & M. J., vol. 61, p. 421. Note.
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- ELECTRICITY FOR PURIFYING DRINKING WATERS.** E. & M. J., vol. 75, p. 120. Note.
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- TO TEST THE PURITY OF WATER.** Min. & Sci. Press, vol. 76, p. 265. ½ column +.
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T. A. I. M. E.....	1 to 37 inclusive.
T. I. M. & M.	1 to 16 inclusive.
T. N. S. I. M. & M. E.....	1 to 10 inclusive.

Bulletins and reports of the United States Geological Survey up to and including 1907.

Other publications which have been partly indexed are given below:

Reports of the Inspectors of Mines of Pennsylvania for the years 1873, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1886 and 1887.

Practical Coal Mining, volumes 1 to 4 inclusive.

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Mechanical Engineering of Collieries, part 1.

The Witwatersrand Gold Fields, 1 volume.

The Anthracite Coal Industry, 1 volume.

Colliery Working and Management, 1 volume.

The Mechanical Handling of Material, 1 volume.

Gold Mines of the Rand, 1 volume.

Tin Deposits of the World, 1 volume.

Diamond Drilling, 1 volume.

Well Boring, 1 volume.

Tunneling, 1 volume.

Engineering-Contracting, Volume 28.

The American Journal of Mining was changed to the Engineering and Mining Journal.

The Mining Magazine was incorporated with the Pacific Coast Miner, and later combined with the Engineering and Mining Journal.

The Colliery Engineer and Metal Miner was changed in name to Mines and Minerals.

The Journal of the Chemical and Metallurgical Society of South Africa was changed to Proceedings of the Chemical Mining and Metallurgical Society of South Africa.

INDEX OF
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BY
WALTER R. CRANE, PH.D.

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It has been found impracticable to index all subjects considered in the references given in this work, but it is hoped that the present index will prove to be amply exhaustive to give ready access to any desired information.

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